LAURA D. CARSTEN CONNER

Associate Research Professor of Science Education
University of Alaska Fairbanks
2156 Koyukuk Dr., Fairbanks, AK 99709
ldconner@alaska.edu, 907-474-6950

EDUCATION

Ph.D. Ecology & Evolutionary Biology, University of Arizona, 2007
M.S. Technical Communication/Science Writing, University of Washington, 2001
M.S. Plant Pathology, Montana State University, 1998
B.A. Environmental, Population, & Organismal Biology, University of Colorado Boulder, 1995

SELECT TRAINING/ PROFESSIONAL DEVELOPMENT

Faculty Learning Community, Flipped Classrooms (2013-2014)
Mediation Training, Mares-Dixon and Associates (2013)
The National Academies Summer Institutes on Undergraduate Teaching (2012)
UAF Academic Leadership Institute (2008-2009)

PROFESSIONAL EXPERIENCE

2021-present	Faculty Fellow for Dual Enrollment (includes overseeing the UAF Middle College)
2018-present	Associate Research Professor of Science Education, Geophysical Institute/College of Natural Science and Mathematics, University of Alaska Fairbanks
2010-2018	Assistant Research Professor of Science Education, Geophysical Institute/College of Natural Science and Mathematics, University of Alaska Fairbanks
2010-2014	Director of Outreach, College of Natural Science and Mathematics, University of Alaska Fairbanks
2007- 2010	Director of Public Programs, University of Alaska Museum of the North Adjunct Faculty, Dept. of Biology and Wildlife, University of Alaska Fairbanks
2006- 2007	Curriculum Developer/Writer, Geophysical Institute, University of Alaska Fairbanks
2005- 2006	Director of K-12 Insect Discovery Program (through a NSF GK-12 teaching fellowship), University of Arizona
2004- 2005	NSF IGERT (Integrative Graduate Education and Research Traineeship) genomics fellow
2003- 2004	NSF GK-12 Teaching Fellow, University of Arizona
2002- 2003	Teaching Assistant, Dept. of Ecology and Evolutionary Biology, University of Arizona
2002- 2003	Science Writing Intern, Discover Magazine, New York, New York
2001- 2002	Teaching Assistant, Dept. of Technical Communication, University of Washington
1999- 2001	Research Associate, Dept. of Plant Pathology, Montana State University

TEACHING AND MENTORING

UAF courses taught:

- *Integrated Art-Science Instruction* (ED 593/595) 2018-present
- *Instructional Design* (STO 603) 2015-present
- *Science Teaching and Outreach Internship* (STO 604) 2014-present
- *Communicating Science* (STO 601) 2011-present
- *Scientific Writing* (BIOL 604) co-taught with Christa Mulder 2011
- *Principles of Ecology* (BIOL 271) 2011; 2013
- *Animal Behavior* (BIOL 441) 2006; 2009

Mentoring:

- Co-chair on 2 MS committees
- Committee member on 6 MS or PhD committees
- Committee chair for 18 STO students
- Mentor for 4 postdoctoral researchers

SELECT PROFESSIONAL SERVICE ACTIVITIES

- Advisor for WGBH Molly of Denali Community Science project (2021-present)
- UArctic Alternate Assembly Representative (2020-present)
- National Association of Research in Science Teaching (NARST) conference proposal reviewer (2020)
- Lead, EPSCoR Diversity, Education, and Workforce Development, statewide (2018-present)
- Chair of Faculty Development, Assessment, and Improvement Faculty Senate committee (2019-2021)
- Elected and served as UAF Faculty Senator (2019-2021), elected alternate (2021-2023)
- Chair of STO (Science Teaching and Outreach) graduate certificate program (2014- present)
- Service on numerous UAF committees at various times between 2010-present, including:
    - Faculty Senate Administrative committee
    - Blue Book revision committee
    - Chancellor's Childcare and Early Childhood Development Service committee
    - University-wide promotion and tenure committee
    - Usibelli Award selection committee
    - Campus-wide planning and budget committee
    - Campus-wide outreach committee
    - CNSM executive committee
- Director, BRIGHT Girls Summer Academy (2016-2019)
- Director, Colors of Nature Summer Academy (2012-2017)
- Panel reviewer (2012-present)
  National Science Foundation (7 panels, several ad-hoc reviews)
  National Aeronautics and Space Administration (1 panel)
- Director, Alaska Summer Research Academy (2012-2015)
- Manuscript reviewer, eight different peer-reviewed journals, including international (2012-present)
- Convened session on science and art, American Geophysical Union Fall Meeting (2015)
- Served on science leadership team for the Fairbanks North Star Borough School District (2013-2015)
- Program evaluator for the NSF-funded "Girls on Ice" program (2011-2015)
- Led development of STO graduate certificate program with small group of faculty (2012-2013)
- Script editor for the 7-minute movie "The Changing Arctic," produced by the University of Alaska Museum of the North and formatted for spherical display systems at museums across the nation (2011)
- Guest curator of the Butterfly Pavilion, University of Alaska Museum of the North (2010)

MAJOR GRANTS

DOE (Co-PI) Education Innovation and Research (EIR) Program mid-phase grant. "Scaling STARR (Supporting Teachers Across Rural/Remote Regions): A Systems Approach to Mentoring New Teachers." (2021-2025). $8.9 million.

NSF (Co-PI) Navigating the New Arctic Program. "Collaborative Research: NNA Track 1: Sustainably Navigating Arctic Pollution Through Engaging Communities (SNAP-TEC)." (2019-2023). $964,884 to UAF (UAF lead, total grant is $3.0 million).

NSF (Diversity, Education, Workforce Dev. lead) EPSCoR RII Track-1. "Fire and Ice: Navigating Variability in Boreal Wildfire Regimes and Subarctic Coastal Ecosystems." (2018-2023). $20 million. I conceptualized the DEW component and oversee $3.8 million.

NSF (PI) Advancing Informal Science Learning program. "Collaborative Research: Fostering STEAM through ISL professional development." (2017-2022). $1.7 million to UAF, plus $187,170 supplement (UAF lead, total grant is $3.0 million).

NASA (evaluator) SMD Science Education. Heliophysics Education Consortium: Through the eyes of NASA to the hearts and minds of the nation (2016-2019). $1.3 million.

NSF (PI) Innovative Technology Experiences for Students and Teachers. "BRIGHT Girls (Budding Research investigators in Geosciences, Habitat, and Technology)." (2015-2018). $1.1 million.

DOE (Co-PI, 2014-2016) Investing in Innovation program. "Alaska Statewide Mentoring Program Urban Growth Opportunity." (2012-2016). $14.9 million.

NSF (Co-PI) Advancing Informal Science Learning program. "Hot Times in Cold Places: The Hidden World of Permafrost." (2014-2018). $1.5 million to UAF (UAF lead, total grant is $2.9 million).

NSF (PI) Informal Science Education Program. "Collaborative Research: Project STEAM: Integrating Art with Science to Build Science Identities among Girls." (2012-2016). $1.2 million to UAF (UAF lead, total grant is $1.5 million).

NSF (PI from 2011-2016) Graduate STEM Fellows in K-12 Education (GK-12) Program. "New GK-12 program: the CASE (Changing Alaska Science Education) for enhancing understanding of climate change." (2010-2016). $2.8 million.

NASA (Co-I) Competitive Program for Science Museums and Planetariums. "Climate Change: NASA's eyes on the Arctic" (2010-2014). $979,766.

IMLS (Co-PI) Museums for America. "Providing access to images of Alaska's botanical heritage." (2010-2012). $193,416.

Alaska Space Grant (PI) "Extending the reach of the portable planetarium: NASA science meets Alaska culture." (2009-2010). $88,343.

NASA (Co-I) Opportunities in Science Mission Directorate Education and Public Outreach. "Bringing NASA science to America's most remote communities with a digital portable planetarium." (2009-2012). $488,219.

AWARDS AND FELLOWSHIPS

Competitively selected for Fulbright Specialist Roster in area of Education, 2021
Emil Usibelli Distinguished Public Service Award (UAF's highest award for service, annually awarded to one faculty member), 2016
American Graduate Champion for Youth, 2015 (for associated video, visit: https://www.youtube.com/watch?v=zNxnLu-Ebz4)
Fairbanks North Star Borough resolution honoring my work with youth, 2015
National Academies Education Fellow in the Life Sciences, 2012-2013
BIO5 Institute K-12 Education Outreach Award, University of Arizona, 2006
Robert W. Hoshaw Scholarship (University of Arizona EEB's highest honor for graduate students), 2005
NSF GK-12 Teaching Fellowship, 2003-2004 and 2005-2006
NSF IGERT Genomics Fellowship, 2004-2005
NSF Graduate Research Fellowship honorable mention, 2004

PEER REVIEWED PUBLICATIONS, PROCEEDINGS, AND BOOK CHAPTERS

Tsurusaki, B.K., Tzou, C., & **Carsten Conner, L.D.** (in revision). How upper elementary and middle school girls engage in integrative STEAM thinking through material and ideational identity resources. *Journal of Research in Science Teaching.*

Tsurusaki, B.K., Tzou, C., & **Carsten Conner, L.D.** (in revision). Exploring the integrative nature of STEAM through material objects. *Mind, Culture, and Activity*.

Pugh, P., Tsurusaki, B., Tzou, C., Teal Sullivan, P., Guthrie, M., and **Carsten Conner, L.D.** (under review). The nature of iteration in STEAM design activities. *Mind, Culture, and Activity*.

Carsten Conner, L.D., Oxtoby, L.E., and Perin, S.M. (2021). Power and positionality shape identity work during a research apprenticeship for girls. *International Journal of Science Education, Part A, 43,* 1880-1893.

Tsurusaki, B.K., Tzou, C., & **Carsten Conner, L.D.** (2021). Materials and participants: A dialogical relationship. In E. de Vries, E., Hod, Y., & Ahn, J. (Eds.). *The International Conference of the Learning Sciences (ICLS) 2021: Reflecting the Past and Embracing the Future, 1,* 1041-1043.

Young, J.C., **Carsten Conner, L.D.,** & Pettit, E. (2020). "You really see it": Environmental identity shifts through interacting with a climate change-impacted glacier landscape. *International Journal of Science Education, 42,* 3049-3070.

Carsten Conner, L.D., & Perin, S. (2020). Learning from the real vs. the replicated: a comparative study. *International Journal of Science Education, Part B, 10*, 266-276.

Tsurusaki, B., Tzou, C., & **Carsten Conner, L.** (2020). Everyday STEAM Objects as Integrative Boundary Objects. In Gresalfi, M. and Horn, I. S. (Eds.). *The International Conference of the Learning Sciences (ICLS) 2020: The Interdisciplinarity of the Learning Sciences, 1*, 585-588.

Pugh, P., Tsurusaki, B., Tzou, C., **Carsten Conner, L**., & Sullivan, P. T. (2020). Iteration in STEAM: Moving Beyond Failure. In Gresalfi, M. and Horn, I. S. (Eds.). *The International Conference of the Learning Sciences (ICLS) 2020: The Interdisciplinarity of the Learning Sciences, 3*, 1759-1760.

Perin, S., **Carsten Conner, L.D.**, & Oxtoby, L. (2020). How various material resources facilitate science identity work for girls in a research apprenticeship program. *Journal of Geoscience Education, 68,* 254-264. DOI: 10.1080/10899995.2019.1700594.

Carsten Conner, L.D., Tsurusaki, B.K., Tzou, C., Teal-Sullivan, P., Guthrie, M., & Pompea, S. (2019). Fostering a STEAM mindset across learning settings. *Connected Science Learning, 1(12),* https://www.nsta.org/connected-science-learning/connected-science-learning-october-december-2019/fostering-steam-mindset.

Perin, S., **Carsten-Conner, L.D**, Coats, V. and Larson, A. (2019). Connecting people and places as an exhibition strategy for climate change learning. *Exhibition, 38*, 48-59.

Carsten Conner, L.D., Perin, S.M., & Pettit, E. (2018). Tacit knowledge and girls' notions about a field science community of practice. *International Journal of Science Education, 8,* 164-177.

Carsten Conner, L.D., Tzou, C., Tsurusaki, B.K., Guthrie, M.G., Pompea, S., & Teal-Sullivan, P. (2017). Designing STEAM for broad participation in science. *Creative Education, 8*, 2222-2231.

Tsurusaki, B.K., Tzou, C., **Carsten Conner, L.D.,** & Guthrie, M.G. (2017). 5th-7th grade girls' conceptions of creativity: implications for STEAM education. *Creative Education, 8*, 255-271.

Teal-Sullivan, P. **Carsten Conner, L.D**., Guthrie, M., Pompea, S., Tsurusaki, B., & Tzou, C. (2017). Colorful Chemistry: A STEAM activity has students paint with the power of chemical reactions. *Science and Children, 54*, 34-40.

Carsten Conner, L.D., & Danielson, J. (2016). Scientist Role Models in the Classroom: How important is gender matching? *International Journal of Science Education, 38*, 2414-2430.

Spellman, K., Deutsch, A., Mulder, C., & **Conner, L**. (2016). Metacognitive learning in the ecology classroom: a tool for preparing problem solvers in a time of rapid change? *Ecosphere, 7*, 1-18.

Tsurusaki, B., Tzou, C., **Conner, L**, & Guthrie, M. (2016). Colors of nature: exploring middle school girls' notions of creativity in an art/science academy. In Looi, C-K., Polman, J., Cress, U., & Reimann, P. (Eds.). *The International Conference of the Learning Sciences (ICLS) 2016: Transforming Learning, Empowering Learners*, *2*, 1269-1270.

Carsten Conner, L.D., Larson, A., Arseneau, J. & Herrick, R. (2015). Elementary student knowledge gains in the digital portable planetarium. *Journal of Astronomy and Earth Sciences Education*, *2*,65-76.

Pompea, S.M. & **Carsten-Conner, L. D**. (2015). Teaching Optics Concepts through an Approach that Emphasizes the "Colors of Nature." *Proceedings of the Education and Training in Optics and Photonics Conference 2015*, Bordeaux France, 29 June 2015 (Invited Paper).

Hoskinson, A-M., **Conner, L**., Hester, S., Leigh, M.B., Martin, A.P. and Powers, T. (2014). Coevolution or not? Crossbills, squirrels and pinecones.*CourseSource. http://coursesource.org/courses/coevolution-or-not-crossbills-squirrels-and-pinecones*

Tzou, C., **Conner, L**., Guthrie, M., & Pompea, S. (2014). Colors of Nature: connecting science and arts education to promote STEM-related identity work in middle school girls. In Polman, J. L., Kyza, E., O'Neill, D. K., Tabak, I., Penuel, W. R., Jurow, A. S., O'Connor, K., Lee, T., and D'Amico, L.

(Eds.). *Proceedings of the International Conference of the Learning Sciences (ICLS) 2014: Learning and becoming in practice, 3*, 1555-1556.

Carsten-Conner, L.D., Larson, A. & Diebel, C. (2014). What matters to stakeholders? Measuring values at a university museum. *Visitor Studies, 17*, 45-65.

Carsten-Conner, L.D., & Stoll, K. (2013). GK-12 Beyond the Classroom: Community Partnerships and Informal Learning. In "*The Power of Partnerships: A Guide from the NSF GK-12 Program*," Eds. Stoll, K., Ortega, S. and Spuck, T. AAAS, Washington, D.C. pp. 63-72.

Carsten-Conner, L.D., Papaj, D.R., & O'Brien, D.M. (2010**).** Resource allocation to testes in walnut flies and implications for reproductive strategy. *Journal of Insect Physiology, 56*, 1523-1529.

Peterson, B. K., Hare, E. E., Iyer, V. N., Storage, S., **Conner, L**., Papaj, D. R., Kurashima, R., Jang, E. & Eisen, M. B. (2009). Big genomes facilitate the comparative identification of regulatory elements. *PLoS One*, *4*(3), e4688.

Bittel, K., & **Carsten, L.** (2006). Caring about Karyotyping. *Science Scope, 29*, 56-60.

Carsten, L.D., & Papaj, D.R. (2005). Effects of reproductive state and host resource experience on mating decisions in a walnut fly. *Behavioral Ecology, 16*, 521-527.

Carsten, L.D., Watts, T., & Markow, T.A. (2005). Gene expression patterns accompanying a dietary shift in *Drosophila melanogaster. Molecular Ecology, 14*, 3203-3208.

Carsten, L.D., & Illman, D.L. (2002). Perceptions of accuracy in science writing. *IEEE Transactions on Professional Communication, 45*, 153-156.

Carsten, L.D., Juola, F.A., Male, T.D., & Cherry, S. (2002). Host associations of lianas in a southeast Queensland rainforest. *Journal of Tropical Ecology, 18*, 107-120.

Carsten, L.D., Maxwell, B., Johnston, M.R., & Sands, D.C. (2001). Impact of crown rust (*Puccinia coronata* f.sp. *avenae*) on competitive interactions between wild oats (*Avena fatua*) and stipa (*Nassella pulchra*), *Biological Control, 22*(3), 207-218.

Pilegram, A.L.**, Carsten, L.D.**, & Sands, D.C. (2001). Genetic improvement of mycoherbicides. In: *The Mycota X, industrial Applications*, ed Heinz Osiewacz.Spinger-verlag, Berlin. Pp 367-374.

Carsten, L.D., Johnston, M.R., Douglas, L.I., & Sands, D.C. (2000). A field trial of crown rust (*Puccinia coronata* f. sp. *avenae*) as a biocontrol agent of wild oats on San Clemente Island. *Biological Control, 19*, 175-181.

Tiourebaev, K.S., Semenchenko, G.V., Dolgovskaya, M., McCarthy, M.K., Anderson, T.W., **Carsten, L.D.**, Pilgeram, A.L., & Sands, D.C. (2001). Biological Control of Infestations of Ditchweed (*Cannabis sativa*) with *Fusarium oxysporum* f.sp. *Cannabis* in Kazakhstan. *Biocontrol Science and Technology, 11*, 535-540.

Johnston, M.R., **Carsten, L.D.**, Douglas, L.I., & Sands, D.C. (2000). Epidemic development and virulence of *Puccinia coronata* f. sp. *avenae* on San Clemente Island. *Biological Control, 17*, 250-257.

CONFERENCE PRESENTATIONS AND POSTERS (Since 2010)

McGinty, M. and **Carsten Conner, L.** (2021). STEM identities, first-generation college students, and family influence. *National Association of Research in Science Teaching Annual International Conference*, held virtually.

Pugh, P. Tsurusaki, B., Tzou, C., **Carsten Conner, L.**, Teal Sullivan, P. and Guthrie, M. (2021). The nature of iteration in STEAM design activities. *American Educational Research Association Annual Meeting*, held virtually.

Carsten Conner, L. Tzou, C., Tsurusaki, B., Teal-Sullivan, P., Guthrie, M., & Pompea, S. (2020). Fostering STEAM: an equity and mindset-based approach to supporting educators. *American Geophysical Union Fall Meeting,* held virtually.

Tsurusaki, B. K., Tzou, C. T. & **Conner, L.** (2020). The Dialogical Relationship Between Materials and Participants in STEAM**.** *American Educational Research Association Annual meeting,* San Francisco, CA. http://tinyurl.com/y4wm9on3 (conference canceled).

Carsten Conner, L., Perin, S., & Oxtoby, L. (2019). Engaging students in the field: implications of design choices. *American Geophysical Union Fall Meeting*, San Francisco.

Perin, S., **Carsten Conner, L**. and Oxtoby, L. (2019). Professional Scientists as Mentors: Supporting the Transition from Learner to Researcher. *National Association of Research in Science Teaching Annual International Conference*, Baltimore, MD.

Tsurusaki, B.K., Tzou, C. & **Carsten Conner, L.** (2019). Centering multiplicities of meanings from materials in STEAM professional development. *American Educational Research Association Annual Meeting*, Toronto, ON, Canada.

Bartley, J., Perin, S., **Conner, L.**, & Ramos, S. (2018). An emotional journey: Harnessing emotion in exhibition. *Western Museums Association Conference*, Tacoma, WA.

Carsten Conner, L. Tzou, C., Tsurusaki, B., Guthrie, M., Pompea, S., and Teal-Sullivan, P. (2018). Colors of Nature artscience kits for teachers. *National Science Teachers Association National Conference*, Atlanta, GA.

Tsurusaki, B. K., Tzou, C., & **Conner, L.** (2018). How middle school girls leverage identity resources to engage in STEAM practices. *American Educational Research Association Annual Meeting*, New York, NY.

Carsten Conner, L. Tzou, C., Tsurusaki, B., Guthrie, M., Pompea, S., and Teal-Sullivan, P. (2017). Successful STEAM: Designing art-science activities with equity and access in mind. *Association of Science Technology Centers Annual Meeting,* San Jose, CA.

Perin, S., Ramos-Montarex, S., **Carsten Conner, L.** (2017). Fear and Fortitude: Harnessing emotion as an interpretive tool in exhibition. *Association of Science Technology Centers Annual Meeting,* San Jose, CA.

Conner, L., Perin, S., Coats, V. & Sturm, M. (2017). Using real objects to teach about climate change: an ethnographic perspective. *American Geophysical Union Fall Meeting*, New Orleans, LA.

Yong, J., **Conner, L**, and Pettit, E. (2017). The Girls on Ice program: Improving perceptions of climate change and environmental stewardship by exploring a glacier landscape. *American Geophysical Union Fall Meeting*, New Orleans, LA.

Conner, L., Perin, S., Oxtoby, L. (2017). Leveraging biology interest to broaden participation in the geosciences. *American Geophysical Union Fall Meeting,* New Orleans, LA.

Conner, L. (2017). Designing art-science activities with equity and access in mind. Arctic Division, AAAS. Fairbanks, AK.

Perin, S., **Carsten Conner, L.D**., & Oxtoby, L. (2017). Wading into the river: Girls exploring future possible selves in a Geoscience/Biology/Technology summer program. *National Association of Research in Science Teaching Annual International Conference*, San Antonio, TX.

Tsurusaki, B., Tzou, C., **Conner, L.**, Guthrie, M., & Pompea, S. (2017). Colors of Nature: Art/science agency in intersecting figured worlds. *National Association of Research in Science Teaching Annual International Conference*, San Antonio, TX.

Carsten Conner, L.D., Prakash, A., Seitz, A., Womble, J., Perin, S., Oxtoby, L., Wirth, L. & Sundberg. B. (2016). Bait and switch? Harnessing girls' established interest to expand interest in other domains of science. *Association of Science Technology Centers Annual Meeting*, Tampa, FL.

Perin, S., **Carsten Conner, L.D**. (2016). It's cold and it's cool: Using permafrost to teach climate change. *Association of Science Technology Centers Annual Meeting*, Tampa, FL.

Conner, L. Tzou, C., Tsurusaki, B., Guthrie, M., & Pompea, S. (2016). STEAM: an arts-infused approach to STEM education. *National Science Teachers Association National Conference*, Nashville, TN.

Tzou, C., Tsurusaki, B., **Conner, L**., Guthrie, M., & Pompea, S. (2016). Colors of Nature: Arts as authoring and identity pathway in science learning. In A. C. Barton (organizer). Equity and access in science: Understanding pathways frameworks for youth learning and development. *American Educational Research Association Annual Meeting*, Washington, DC.

Carsten Conner, L.D. (2016). Engaging students by adding arts to STEM. *Alaska Afterschool Conference*, Anchorage, AK.

Conner, L., Pompea, S., Tzou, C., Guthrie, M., Tsurasaki, B., & Danielson, J. (2015). Integrating art and science through "Design Challenges." *American Geophysical Union Fall Meeting*, San Francisco, CA.

Pettit, E., **Conner, L**., & Tzou, C. (2015). Building science identity in disadvantaged teenage girls using an apprenticeship model. *American Geophysical Union Fall Meeting*, San Francisco, CA.

Tedesche, M., & **Conner, L.** (2015). A "CASE" study on developing science communication and outreach Skills of University Graduate Student Researchers in Alaska. *American Geophysical Union Fall Meeting*, San Francisco, CA.

Conner, L., Boone, R., Winker, K., Kind, D., Mulder, C., & Fowell, S. (2015). A teaching and outreach certificate program for science graduate students. *International Teacher-Scientist Partnership Conference*, San Francisco, CA.

Danielson, J., Larson, A., & **Carsten Conner, L.** (2015). Assessing Changes in Student Science Attitudes. *Alaska Evaluation Network (AKEN) Annual Meeting*, Anchorage, AK.

Tzou, C., **Conner, L**., Guthrie, M., & Pompea, S. (2015). Colors of Nature: locating equitable practices in the artscience "mangle." *National Association of Research in Science Teaching Annual International Conference*, Chicago, IL.

Starkenburg, D., Fochesatto, G., Prakash, A., **Carsten-Conner, L**., & Kontar, Y. (2015). The Science Acceleration Strategy (SAS) for Research and Education. *American Meteorology Society Annual Meeting*, Phoenix, AZ.

Tzou, C., **Conner, L**., Guthrie, M., & Pompea, S. (2014). Colors of Nature: connecting science and arts education to promote STEM-related identity work in middle school girls. *International Conference of the Learning Sciences*, Boulder, Colorado.

Conner, L. (2014). Invited plenary speaker. STEM to STEAM: Fostering Innovation at Disciplinary Boundaries. *AAAS Arctic Science Conference*, Fairbanks, AK.

Tzou, C., **Conner, L**., Guthrie, M., & Pompea, S. (2014). Colors of Nature: Connecting evolutionary biology, optical science, and arts education to promote STEM-related identity work in middle school girls. *National Association of Research in Science Teaching Annual International Conference*, Pittsburgh, PA.

Conner, L., Garcia, M., & Olcott, M. (2013). Climate Change: NASA's Eyes on the Arctic. *Association of Science Technology Centers Annual Meeting*, Albuquerque, New Mexico.

Conner, L., Garcia-Itchoak, M., & Olcott, M. (2012). Partnering for maximum program impact: a case study. *Western Museums Association Annual Meeting*, Palm Springs, CA.

Conner, L. (2010). Night sky programming for rural Alaska: a meeting of cultures. *Association of Science Technology Centers Annual Meeting*, Honolulu, Hawaii.

PUBLICATIONS FOR THE POPULAR PRESS

Stories (All authored by L.D. Carsten):
The bigger the better? *Discover.com*, June 2002.
Garden fugitives, *Discover.com*, June 2002.
Kissing cousins revisited, *Discover.com*, June 2002.
Getting hooked, *Blue Planet Quarterly*, Summer 2002.
A mean, clean, snow machine, Discover.com, May 2002.
The road more traveled, *sageke.sciencemag.org, the science of aging knowledge environment*, April 17, 2002.
Fire Wars, *Discover.com*, May 2002.
Biotech companies woo investors, *Northwest Science & Technology*, Spring 2002.
Red Tides (co-written with M. Hamner), *Northwest Science & Technology*, Spring 2002.
The promise of bioremediation, *Northwest Science & Technology*, Spring 2002.
Review: Atlas of Oregon, *Northwest Science & Technology*, Spring 2002.
Review: Forest giants of the pacific coast, *Northwest Science & Technology*, Spring 2002.
Review: Higher than Everest, *Northwest Science & Technology*, Spring 2002.
Ida Gold, *Northwest Science & Technology*, Spring 2002.
Offshore trilling, *Horizon Air*, January 2002.
Neptune's bounty: marine-derived molecules hold promise as therapeutic drugs, *Northwest Science & Technology*, Winter 2002.
Salmon like it wet and briny, *ABCNEWS.com*, July 9, 2001.
Salmon tracking, *ABCNEWS.com*. July 16, 2001.
Nature takes over, *ABCNEWS.com*, July 23, 2001.
Review: Exploring Coast Salish prehistory, *Northwest Science & Technology*, Autumn 2001.
Products from the sea: chitosan, *Northwest Science & Technology*, Autumn 2001.
Life in extreme environments, *Northwest Science & Technology*, Spring 2001.
Viruses in the service of medicine, *Northwest Science & Technology*, Winter 2000.

News briefs:
Doing swimmingly with the sharks, *Discover magazine*, August 2002.
Lights out for the birds, *Discover magazine*, August 2002.
Climate on the wing, *Discover magazine*, August 2002.
I know that smell…, *Discover magazine*, July 2002.
Counting on biodiversity, *Discover magazine*, July 2002.
Nobel Prize awarded to Northwesterner, *Northwest Science & Technology*, Spring 2002.
Canadian Foundation for Innovation funds UVic research, *Northwest Science & Technology*, Spring 2002.
WSU researcher identifies mutant gene in collies, *Northwest Science & Technology*, Spring 2002.
UBC tackles acid mine drainage, *Northwest Science & Technology*, Spring 2002.
Rural nursing in Oregon gets a boost, *Northwest Science & Technology*, Spring 2002.
UW professor searches for cleaner fuel, *Northwest Science & Technology*, Autumn 2001.
UO program to boost women in chemistry, *Northwest Science & Technology*, Autumn 2001.
UVic researcher to probe tumor-suppressing proteins, *Northwest Science & Technology*, Autumn 2001.
Northwest partnership to test energy-saving technology for industrial motors, *Northwest Science & Technology*, Autumn 2001.

MSU researcher to study links between agricultural practices and climate change, *Northwest Science & Technology*, Autumn 2001.

MEMBERSHIPS

National Association for Research in Science Teaching
American Educational Research Association
American Geophysical Union
National Science Teachers Association
International Society of the Learning Sciences

907.474.6950 ldconner@alaska.edu