

Jessica E. Light

September 2023

Department of Ecology and Conservation Biology, Texas A&M University
534 Kimbrough Blvd, TAMU 2258; College Station, TX 77843
Phone: (979) 458-4357; email: jessica.light@ag.tamu.edu
Orcid ID: <https://orcid.org/0000-0001-6462-3045>

Education

- Ph.D. Louisiana State University, Ph.D. in Zoology (1999-2005)
- B.S. University of Michigan, B.S. in Resource Ecology and Management (1994-1998)
- B.S. University of Michigan, B.S. in Biology (1994-1998)

Positions

- Full Professor and Curator*, Department of Ecology and Conservation Biology, Texas A&M University (1 September 2023-present)
- Associate Professor and Curator*, Department of Ecology and Conservation Biology, Texas A&M University (2020-2023)
- Associate Professor and Curator*, Department of Wildlife and Fisheries Sciences, Texas A&M University (2015-2019)
- Assistant Professor and Curator*, Department of Wildlife and Fisheries Sciences, Texas A&M University (2009-2015)
- Post-doctoral Researcher*, Florida Museum of Natural History, University of Florida (2006-2008)
- Research Associate*, Moore Laboratory of Zoology, Occidental College (2007-2008)
- Secretary*, International Society of Phthirapterists (ISoP) (2018-present)
- President*, Texas Society of Mammalogists (2019-2020)
- Associate Editor*, Journal of Mammalogy (June 2016-June 2020)
- Associate Editor*, Evolution (January 2017-December 2019)

Awards and Honors

- 2023. American Society of Mammalogists (ASM) President's Special Award. An award given by the President of the ASM for service to the American Society of Mammalogists.
- 2021. Texas A&M University ADVANCE Diversity Champion (recognition)
- 2021. Faculty Award; Interdisciplinary Program in Ecology and Evolutionary Biology, Texas A&M University.
- 2021. Recognized for Texas A&M University Flourish Feature.
- 2021. Texas A&M University 2021 Diversity Service Faculty Award, a Texas A&M Accountability, Climate & Equity (ACE) Award from Multicultural Services in the Division of Student Affairs.
- 2018. Department of Wildlife and Fisheries Sciences Outstanding Undergraduate Teaching Award, Texas A&M University.
- 2014. Department of Wildlife and Fisheries Sciences Outstanding Undergraduate Teaching Award, Texas A&M University.
- 2004. Louisiana State University Graduate School Dissertation Fellowship.
- 2004. Outstanding Graduate Student Award. Museum of Natural Science, Louisiana State University.
- 2004. Meritorious Student Paper Award. Seventy-ninth Annual Meeting of The American Society of Parasitologists, Pennsylvania.
- 2004. Candidate for the Ernst Mayr Award (Society for Systematic Biologists).
- 2004. Anna M. Jackson Award, American Society of Mammalogists (\$600). *Two New Species of Pocket Gophers from Mexico; Extensive Cophylogeny Between Gophers and Chewing Lice.*

1998. Meritorious Student Paper Award. Seventy-third Annual Meeting of The American Society of Parasitologists, Hawai'i.

Research Interests

Evolution, systematics, and population genetics of vertebrates and invertebrates. In particular, investigating cospeciation between mammals and their parasites to determine which factors are important in driving the associations between distantly related taxa.

Grants, Scholarships and Fellowships *graduate student co-PI

2023. National Science Foundation. B. McLean and others; **J.E. Light** is the PI at Texas A&M University (this is a large, multi-institutional digitization effort; \$62,276). *Collaborative Research: Ranges: Building capacity to extend mammal specimens from western North America.*
2022. National Science Foundation. K. Bell, J.M. Allen, **J.E. Light**, and E.L. Stanley (\$197,909). *Collaborative Research: Adaptation or opportunity? Using mammal sucking lice to determine drivers of host-parasite associations.*
2022. Texas EcoLabs. **J.E. Light** (\$2,000). *Coevolution between Texas pocket gophers and their chewing lice.*
2021. Texas EcoLabs. L.M. LaMonica* and **J.E. Light** (\$10,160). *Coevolution between Texas pocket gophers and their chewing lice.*
2020. Texas EcoLabs. **J.E. Light** (\$12,523). *Coevolution between Texas pocket gophers and their chewing lice.*
2020. National Science Foundation. **J.E. Light** (\$249,269). *OPUS: MSC: Using modern methods with historical museum specimens to elucidate the evolution of a widespread, ecologically important rodent species.*
2019. National Science Foundation. J. Zaspel and others, with **J.E. Light** as a core co-principal investigator (Total award \$4.3 million; \$437,482 to Texas A&M). *Collaborative Research: Digitization TCN: Digitizing collections to trace parasite-host associations and predict the spread of vector-borne disease.*
2018. Nelson Byrd Woltz Landscape Architects. **J.E. Light** (\$10,000). *Biodiversity assessment at Spade Ranch, Egypt, Texas.*
2018. Texas EcoLabs. **J.E. Light** (\$8,620). *Coevolution between Texas pocket gophers and their chewing lice.*
2017. Texas EcoLabs. **J.E. Light** (\$4,666.66). *Status of the Nelson's pocket mouse (Chaetodipus nelsoni) in western Texas.*
2017. Texas EcoLabs. **J.E. Light** (\$7,604.74). *Coevolution between Texas pocket gophers and their chewing lice.*
2017. Texas Parks and Wildlife Department State Wildlife Grant Program. **J.E. Light** (\$83,506). *Status of Chaetodipus nelsoni (Nelson's pocket mouse) in the Southern Texas Plains and Edwards Plateau ecoregions of Texas.*
2017. Global Genome Initiative GGBN-GGI. H.L. Prestridge and **J.E. Light** (\$15,000). *Digitization of vertebrate tissue collections at the Biodiversity Research and Teaching Collections.*
2015. Texas A&M University-CONACYT Research Grant Program. **J.E. Light** and J.A. Fernández (\$23,967.27). *The Mexican Plateau as a center for diversification for arid land fauna: a comparative phylogeographic study of multiple rodent species.*
2014. National Science Foundation. J.W. Demastes, **J.E. Light**, and T.A. Spradling (\$149,937). *EAGER: Testing geographic range-expansion models: Population genetics of a colonizing*

parasite.

2013. Texas EcoLabs; W. Preisser*, S.A. Hamer, and **J.E. Light** (\$18,415). *Surveillance of tick-borne diseases in Texas.*
2013. Texas A&M University Invasive Ant Research and Management Project. **J.E. Light**, S.A. Hamer, M.D. Eubanks, G.L. Hamer, W.E. Grant, M.E. Morrow, and P.D. Teel (\$110,000). *Impact of red imported fire ants on small mammals, ticks, and tick-borne pathogens.*
2013. East Wildlife Foundation: G. Voelker, **J.E. Light**, and T. Hibbitts (\$876,067). *Biodiversity assessment: South Texas, with a focus on the South Texas Sand Sheet.*
2012. Texas EcoLab; S.A. Hamer and **J.E. Light** (\$20,847). *Wildlife sentinels for emerging tick-borne diseases in Texas.*
2010. Texas EcoLab: G. Voelker, **J.E. Light**, and J. Cary (\$15,836). *Biogeography of birds and small mammals in the central Texas transition zone, with special focus on Black-crested and Tufted Titmice hybridization, hispid pocket mouse population genetics, and host parasite-coevolution in pocket gophers.*
2010. Private Contract. G. Voelker, **J.E. Light**, and J. Cary (\$9,000). *Biogeography of birds and small mammals in the central Texas transition zone, with special focus on Black-crested and Tufted Titmice hybridization, hispid pocket mouse population genetics, and host parasite-coevolution in pocket gophers.*
2010. NSF DBI-0954113: G. Voelker, **J.E. Light**, and B.D. Marks (\$497,660). *A conservation imperative: replacement of bird and mammal specimen cases at Texas A&M.*
2009. Texas EcoLab: B.D. Marks, G. Voelker, and **J.E. Light** (\$24,000). *Biogeography of birds and small mammals in the central Texas transition zone.*
2007. NSF DEB-0717165: D.L. Reed, **J.E. Light**, L. Durden, and V. S. Smith (\$382,882). *Reconstructing the evolutionary history of bacterial endosymbiosis in obligate blood-feeding lice (Phthiraptera: Anoplura).* September 2007 – September 2010.
2005. Scholarship to attend the Workshop on Molecular Evolution at the Marine Biological Laboratory, Woods Hole (\$400).
2004. Louisiana State University Graduate School Dissertation Fellowship (\$18,000).
2004. Marc Dresden Travel Grant, American Society of Parasitologists (\$450).
2004. McDaniel Travel Grant, Department of Biological Sciences, LSU (\$825).
2003. NSF: Doctoral Dissertation Improvement Grant (\$12,000). *Systematics and Host-Parasite Associations of Rodent-Restricted Sucking Lice (Anoplura: Polyplacidae): Fahrenholzia lice and their Heteromyid Rodent Hosts.*
2003. Marc Dresden Travel Grant, American Society of Parasitologists (\$450).
2003. Department of Biological Sciences, LSU Travel Grant (\$150).
2003. LSU Graduate School Travel Grant (\$150).
2002. National Sigma Xi Grant-In-aid of research (\$600). *Molecular Study of Cophylogeny between Sucking Lice (Phthiraptera: Anoplura) and their Heteromyid Rodent Hosts.*
2002. Department of Biological Sciences, LSU Travel Grant (\$150).
2002. LSU Graduate School Travel Grant (\$150).
2002. Theodore Roosevelt Memorial Fund, American Museum of Natural History (\$1500). *Cophylogeny between sucking lice and their heteromyid hosts.*
2002. LSU Biology Grad Student Association Research and Travel Grant (\$600). *Coevolution between sucking lice and their heteromyid hosts.*
2001. LSU Biology Grad Student Association Research Grant (\$250). *Coevolution between sucking lice and their heteromyid hosts.*
2001. Sigma Xi LSU Chapter Grant-in-Aid of Research Honorable Mention (\$100). *Coevolution between sucking lice and their rodent hosts.*

2001. LSU Biology Grad Student Association Research Grant (\$200). *Coevolution between sucking lice and their mammalian hosts*.
2000. Theodore Roosevelt Memorial Fund of the American Museum of Natural History (\$1000). *Cospeciation between heteromyid rodents and their sucking lice (Anoplura)*.
2000. LSU Biology Grad Student Association Research Award (\$150). *Leech biology and phylogenetics*.
1998. Marc Dresden Travel Grant American Society of Parasitologists (\$400).
1998. CIC Women in Science and Engineering Initiative Travel Grant (\$250).
1998. The University of Michigan Department of Biology Travel Grant (\$250).
1998. NSF award (DEB-9840369) to Dr. Mark Siddall (\$3000) to support undergraduate research project on leech phylogenetics.

Manuscripts in Review (undergraduate student author; *graduate student author)**

Sullivan, K.A., E.M. Tucker, N.J. Dowdy, J.M. Allen, V. Barve, J. Boone, S.E. Bush, N.L. Evenhuis, M. Hastriter, **J.E. Light**, T. Mayfield-Meyer, B.M. OConnor, J.H. Poelen, G.R. Racz, K.C. Seltsmann, and J.M. Zaspel. Building a community-based taxonomic resource for digitization of parasites and their hosts. In revision at *Insect Systematics and Diversity*.

Publications (undergraduate student author; *graduate student author; †equal contributors)**

71. Hafner, D.S., S.A. Neiswenter, **J.E. Light**, K.L. Hernandez, and B.R. Riddle. Phylogeography, systematics, and conservation status of pocket mice (*Chaetodipus*) of the Sonoran-Sinaloa thorn forest. In press at *Journal of Mammalogy*.
70. Dunn, R.R., J.R. Bureger, E.J. Carlen, A.M. Koltz, **J.E. Light**, R.A. Martin, J. Munshi-South, L.M. Nichols, E.L. Vargo, S. Yitbarek, Y. Zhao, and A. Cibrian-Jaramillo. 2022. Urban archipelagos: a theory of city biogeography and the origin of species. *Frontiers in Conservation Science*.3: 761449.
69. Preisser, W.C.*, A.A. Castellanos*, J.M. Kinsella, R. Vargas, E. Gonzalez, J.A. Fernández, N.O. Dronen, A.M. Lawing, and **J.E. Light**. 2022. Taxonomic scale and community organization impact observed latitudinal gradients of parasite diversity. *Journal of Biogeography* 49(4): 617-629.
68. Galán, A.P.*, S.A. Hamer, H.A. Folmar**, T.A. Campbell, and **J.E. Light**. 2022. Baseline biodiversity assessment of South Texas mammals and host-associated hard ticks with no detection of selected tick-borne pathogens. *Western North American Naturalist* 82: 254-270.
67. Siciliano-Martina, L. *, **J.E. Light**, and A.M. Lawing. 2022. One of these wolves is not like the other: morphological effects and conservation implications of captivity in Mexican wolves (*Canis lupus baileyi*). *Animal Conservation* 25:77-90.
66. Pistone, J., **J.E. Light**, T.A. Campbell, T.A. Catanach, and G. Voelker. 2021. Restricted geographic sampling yields low parasitism rates but surprisingly diverse host associations in avian lice (Insecta: Phthiraptera) from South Texas. *Diversity* 13(9): 430
<https://doi.org/10.3390/d13090430>
65. **Light, J.E.**, A.S. Keane**, and J.W. Evans. 2021b. Updating the distribution of black bears (*Ursus americanus*) in Texas using citizen science, state agencies, and natural history collection records. *Western North American Naturalist* 81: 396-406.
64. **Light, J.E.**, L. Siciliano-Martina*, E.G. Dohnalik**, G. Vielleux**, D.J. Hafner, A.M. Lawing, and I.F. Greenbaum. 2021a. Morphological differentiation of *Peromyscus leucopus* and *P. maniculatus* in East Texas. *Therya* 12: 369-387.
63. Siciliano-Martina, L. *, **J.E. Light**, and A.M. Lawing. 2021b. Changes in canid cranial morphology induced by captivity and conservation implications. *Biological Conservation* 257: 109143

<https://doi.org/10.1016/j.biocon.2021.109143>

62. Hancock, Z.B.*, H. Ogawa, **J.E. Light**, and M.K. Wicksten. 2021. Origin and evolution of the Hatoriidae (Amphipoda): a eulogy for the Haustoriidira. *Zoological Journal of the Linnean Society* 194: 1252-1267 <https://doi.org/10.1093/zoolinlean/zlab023>
61. Hollingsworth, K.*, R.D. Shively, S.N. Glasscock, **J.E. Light**, D.R. Tolleson, and P.S. Barboza. 2021. Little and large herbivores as indicators of trophic transfer: do trace nutrients drive populations? *PLoS One* 16(3): e0248204 <https://doi.org/10.1371/journal.pone.0248204>.
60. Zecca, I.B., C.L. Hodo, H.M. Swarts, T.W. DeMaar, K.F. Snowden, H.L. Prestridge, **J.E. Light**, and S.A. Hamer. 2021. *Trypanosoma cruzi* and incidental *Sarcocystis* spp. in endangered ocelots (*Leopardus pardalis*) of South Texas. *Journal of Wildlife Diseases* 57:667-671.
59. Hinde, K., C.E.G. Amorim, A.F. Brokaw, N. Burt, M. Casillas, A. Chen, T. Chestnut, P.K. Connors, M. Dasari, C.F. Ditelberg, J. Dietrick, J. Drew, L. Durgavich, B. Easterling, C. Henning, A. Hilborn, E.K. Karlsson, M. Kissel, J. Kobylecky, J. Krell, D.N. Lee, K.M. Lesciotto, K.L. Lewton, **J.E. Light**, J. Martin, A. Murphy, W. Nickley, A. Núñez-de la Mora, O. Pellicer, V. Pellicer, A.M. Perry, S.G. Schuttler, A.C. Stone, B. Tanis, J. Weber, M. Wilson, E. Willcocks, and C.N. Anderson. 2021. March Mammal Madness and the power of narrative in science outreach. *eLife* 10:e65066 doi: 10.7554/eLife.65066.
58. Siciliano-Martina, L.*, **J.E. Light**, and A.M. Lawing. 2021a. Cranial morphology of captive mammals: a meta-analysis. *Frontiers in Zoology* 18:4 <https://doi.org/10.1186/s12983-021-00386-0>.
57. Miller, S.E., L.N. Barrow, S.M. Ehlman, J.A. Goodheart, S.E. Greiman, H.L. Lutz, T.M. Misiewicz, S.M. Smith, M. Tan, C.J. Thawley, J.A. Cook, and **J.E. Light**. 2020. Building natural history collections for the 21st century and beyond. *Bioscience* 70: 674-687.
56. **Light, J.E.**, L.A. Durden, B. OConnor, W.C. Preisser*, R. Acosta, and R.P. Eckerlin. 2020. Checklist of ectoparasites of cricetid and heteromyid rodents in México. *Therya* 11: 79-136.
55. Kjeldgaard, M.K.*, O.M. Takano*, A.A. Bockoven*, P.D. Teel, **J.E. Light**, S.A. Hamer, G.L. Hamer, and M.D. Eubanks. 2019. Red imported fire ant (*Solenopsis invicta*) aggression influences the behavior of three hard tick species. *Experimental and Applied Acarology* 79:87-97.
54. Neiswenter, S.A., D.J. Hafner, **J.E. Light**, G.D. Cepeda, K.C. Kinzer, L.F. Alexander, and B.R. Riddle. 2019. Phylogeography and taxonomic revision of Nelson's pocket mouse (*Chaetodipus nelsoni*). *Journal of Mammalogy* 100: 1847-1864.
53. Hancock, Z.B.*, F.O. Hardin*, and **J.E. Light**. 2019. An ancient suture zone in the Gulf of Mexico inferred from the phylogeography of sand-burrowing amphipods (Haustoriidae). *Journal of Biogeography* 46: 2532-2547.
52. **Light, J.E.**, R.P. Eckerlin, and L.A. Durden. 2019. Checklist of ectoparasites of Canidae and Felidae in Mexico. *Therya* 10: 109-119.
51. Hafner, D.J., M.S. Hafner, T.A. Spradling, **J.E. Light**, and J.W. Demastes. 2019. Temporal and spatial dynamics of competitive parapatry in chewing lice. *Ecology and Evolution* 9: 7410-7424.
50. Cook, J.A. and **J.E. Light**. 2019. The emerging role of mammal collections in 21st century mammalogy. *Journal of Mammalogy* 100: 733-750.
49. Baird, A.B., **J.E. Light**, and J.W. Bickham. 2019. A new species of *Rhogeessa* from Nicaragua based on morphological, karyotypic, and molecular data. *Occasional Papers of the Museum at Texas Tech University (Baker Memorial Volume)* 71: 257-274.
48. Demastes, J.W., D.J. Hafner, M.S. Hafner, **J.E. Light**, and T.A. Spradling. 2019. Loss of genetic diversity, recovery, and allele surfing in a colonizing parasite, *Geomydoecus aurei*. *Molecular Ecology* 28:703-720.

47. Benedict, B.D.* , A.A. Castellanos*, and **J.E. Light**. 2019. Phylogeographic assessment of the Heermann's kangaroo rat (*Dipodomys heermanni*). *Journal of Mammalogy* 100: 72-91.
46. Takano, O.M.* , G. Voelker, D.R. Gustafsson, and **J.E. Light**. 2019. Molecular phylogeny and novel host associations of avian chewing lice (Insecta: Phthiraptera) from South Africa. *Systematic Entomology* 44: 289-304.
45. Hodo, C.L., M.R. Mauldin, **J.E. Light**, K. Wilkins, S. Tang, Y. Nakazawa, G.L. Emerson, J.M. Ritter, J.L. Mansell, and S.A. Hamer. 2018. A novel poxvirus in proliferative lesions of wild rodents in east-central Texas. *Emerging Infectious Diseases* 6: 1069-1072.
44. Anderson, A.P.* , **J.E. Light**, O.M. Takano*, and M.L. Morrison. 2018. Population structure of the Townsend's big-eared bat (*Corynorhinus townsendii townsendii*) in California. *Journal of Mammalogy* 99: 646-658.
43. Arcangeli, J., **J.E. Light** and F.A. Cervantes. 2018. Molecular and morphological evidence of diversification in the Grayish mouse opossum *Tlacuatzin canescens* (Didelphimorphia), with a description of a new species. *Journal of Mammalogy* 99: 138-158.
42. **Light, J.E.**, S.E. Harper, K.P. Johnson, J.W. Demastes, and T.A. Spradling. 2018. Development and characterization of 12 novel polymorphic microsatellite loci for the mammal chewing louse *Geomydoecus aurei* (Insecta: Phthiraptera) and a comparison of next-generation sequencing approaches for use in parasitology. *Journal of Parasitology* 104: 89-95.
41. Galán, A.P.* and **J.E. Light**. 2017. Reptiles and amphibians associated with Texas Pocket Gopher (*Geomys personatus*) burrow systems across the Texas Sand Sheet. *Herpetological Review* 48: 517-521.
40. Takano, O.M.*†, P.S. Mitchell**†, D.R. Gustafsson, A. Adite, G. Voelker, and **J.E. Light**. 2017. An assessment of host associations, geographic distributions, and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from Benin. *Journal of Parasitology* 103: 152-160.
39. Castellanos, A.A.*†, M.C.I. Medeiros†, G.L. Hamer, M.E. Morrow, M.D. Eubanks, P.D. Teel, S.A. Hamer, and **J.E. Light**. 2016. Decreased small mammal and tick abundance in association with invasive red imported fire ants (*Solenopsis invicta*). *Biology Letters* 12: 20160463.
38. Cook, J.A., S. Greiman, S. Agosta, R.P. Anderson, B.S. Arbogast, R.J. Baker, W. Boeger, R.D. Bradley, D.R. Brooks, R. Cole, J.R. Demboski, A.P. Dobson, J.L. Dunnum, R.P. Eckerlin, J. Esselstyn, K. Galbreath, J. Hawdon, H. Hoekstra, S. Kutz, **J.E. Light**, L. Olson, B.D. Patterson, J.L. Patton, A.J. Phillips, E. Rickart, D.S. Rogers, M.E. Siddall, V. Tkach, and E.P. Hoberg. 2016. Transformational principles for NEON sampling of mammalian parasites and pathogens: a response to Springer and Colleagues. *BioScience* 66: 917-919.
37. Allen, J.M., G. Burleigh, **J.E. Light**, and D.L. Reed. 2016. Effects of 16S rDNA sampling on estimates of endosymbiont lineages in sucking lice. *PeerJ* 4: e2187
<https://doi.org/10.7717/peerj.2187>.
36. **Light, J.E.**, M.O. Ostroff**, and D.J. Hafner. 2016b. Phylogeographic assessment of the northern pygmy mouse, *Baiomys taylori*. *Journal of Mammalogy* 97: 1081-1094.
35. **Light, J.E.**, C.E. Nessner*, D.R. Gustafsson, S.R. Wise**, and G. Voelker. 2016a. Remarkable levels of avian louse (Insecta: Phthiraptera) diversity in the Congo Basin. *Zoologica Scripta* 45: 538-551.
34. Rodriguez, J.R.* , S.A. Hamer, A.A. Castellanos*, and **J.E. Light**. 2015. Structure and ecology of a rodent and tick community in east-central Texas. *Southeastern Naturalist* 14: 415-424.
33. Welborn, S.R.* and **J.E. Light**. 2014. Population genetic structure of the Baird's pocket gopher, *Geomys breviceps*, in eastern Texas. *Western North American Naturalist* 74: 325-334.
32. Nessner, C.E.* , J.J. Andersen*, M.A. Renshaw, M. Giresi*, and **J.E. Light**. 2014. Characterization of 17 novel polymorphic microsatellite loci in the mammal chewing louse *Geomydoecus ewingi* (Insecta: Phthiraptera) for population genetic analyses. *Journal of*

Parasitology 100: 873-877.

31. Andersen, J.J.*, D.S. Portnoy, J.C. Hafner, and **J.E. Light**. 2013. Populations at risk: conservation genetics of kangaroo mice (*Microdipodops*) of the Great Basin Desert. *Ecology and Evolution* 3: 2497-2513.
30. **Light, J.E.**, J.C. Hafner, N.S. Upham*, and E. Reddington. 2013. Conservation genetics of kangaroo mice, genus *Microdipodops*. *Journal of Mammalian Evolution* 20: 129-146.
29. Voelker, G., B.D. Marks, C. Kahindo, U. A'genonga, F. Bapeamoni, L.E. Duffie**, J.W. Huntley*, E. Mulotha, S.A. Rosenbaum**, and **J.E. Light**. 2013. River barriers and cryptic biodiversity in an evolutionary museum. *Ecology and Evolution* 3(3): 536-545.
28. Andersen, J.J.*, M.A. Renshaw, and **J.E. Light**. 2012. Eight novel polymorphic microsatellites in the hispid pocket mouse (*Chaetodipus hispidus*) and cross-amplification in other Perognathinae species (Rodentia: Heteromyidae). *Conservation Genetics Resources* 4: 1019-1021 DOI : 10.1007/s12686-012-9697-3.
27. Andersen, J.J.** and **J.E. Light**. 2012. Phylogeography and subspecies revision of the hispid pocket mouse, *Chaetodipus hispidus* (Rodentia: Heteromyidae). *Journal of Mammalogy* 93: 1195-1215.
26. Demastes, J.W., T.A. Spradling, M.S. Hafner, G.R. Spies, D. J. Hafner, and **J.E. Light**. 2012. Cophylogeny on a fine scale: *Geomydoecus* chewing lice and their pocket gopher hosts, *Pappogeomys bulleri*. *Journal of Parasitology* 98: 262-270.
25. Welborn, S.R.*, M.A. Renshaw, and **J.E. Light**. 2012. Characterization of 10 polymorphic loci in the Baird's pocket gopher (*Geomys breviceps*) and cross-amplification in other gopher species. *Conservation Genetics Resources* 4: 467-469.
24. Voelker, G. and **J.E. Light**. 2011. Paleoclimatic events, dispersal and migratory losses along the Afro-European axis as drivers of biogeographic distribution in *Sylvia* warblers. *BMC Evolutionary Biology* 11: 163.
23. Smith, V.S., T. Ford, K.P. Johnson, P.C.D. Johnson, K. Yoshizawa, and **J.E. Light**. 2011. Multiple lineages of lice pass through the K-Pg boundary. *Biology Letters* 7: 782-785.
22. Toups, M.A.*, A. Kitchen*, **J.E. Light**, and D.L. Reed. 2011. Origin of clothing lice indicates early clothing use in anatomically modern humans in Africa. *Molecular Biology and Evolution* 28: 29-32.
21. Lance, S.L., **J.E. Light**, K.L. Jones, C. Hagen, and J.C. Hafner. 2010. Isolation and characterization of 17 polymorphic loci in the kangaroo mouse, genus *Microdipodops* (Rodentia: Heteromyidae). *Conservation Genetics Resources* 2: 139-141.
20. **Light, J.E.**, V.S. Smith, J.M. Allen*, L.A. Durden, and D.L. Reed. 2010. Evolutionary history of mammalian sucking lice (Phthiraptera: Anoplura). *BMC Evolutionary Biology* 10: 292 doi:10.1186/1471-2148-10-292
19. Musser, G.G., L.A. Durden, M.E. Holden, and **J.E. Light**. 2010. Systematic review of endemic Sulawesi squirrels (Rodentia, Sciuridae), with descriptions of new species of associated sucking lice (Insecta, Anoplura), and phylogenetic and zoogeographic assessments of sciurid lice. *Bulletin of the American Museum of Natural History* 339: 260 pages.
18. Allen, J.M.*, **J.E. Light**, M.A. Perotti, H.R. Braig, and D.L. Reed. 2009. Mutational meltdown in primary endosymbionts: Selection limits Müller's ratchet. *PLoS ONE* 4(3): e4969.
17. Hafner, M.S., D.J. Hafner, J.W. Demastes, G.L. Hasty, **J.E. Light**, and T.A. Spradling. 2009. Evolutionary relationships of pocket gophers of the genus *Pappogeomys* (Rodentia: Geomyidae). *Journal of Mammalogy* 90(1): 47-56.
16. **Light, J.E.** and D.L. Reed. 2009. Multigene analysis of phylogenetic relationships and divergence times in primate sucking lice (Phthiraptera: Anoplura). *Molecular Phylogenetics and Evolution* 50: 376-390.

15. **Light, J.E.**, J.M. Allen*, L.M. Long**, T.E. Carter**, L. Barrow**, G. Suren, D. Raoult, and D.L. Reed. 2008. Geographic distribution of human head louse (*Pediculus humanus capitis*) mitochondrial lineages. *Journal of Parasitology* 94(6): 1275-1281.
14. V.S. Smith, **Light, J.E.**, and L.A. Durden. 2008. Rodent louse diversity, phylogeny, and cospeciation in the Manu Biosphere Reserve, Peru. *Biological Journal of the Linnean Society* 95(3): 598-610.
13. **Light, J.E.** and M.S. Hafner. 2008. Codivergence in heteromyid rodents (Rodentia: Heteromyidae) and their sucking lice of the genus *Fahrenholzia* (Phthiraptera: Anoplura). *Systematic Biology* 57(3): 449-465.
12. **Light, J.E.**, M.A. Toups, and D.L. Reed. 2008. What's in a name: taxonomic status of human head and body lice. *Molecular Phylogenetics and Evolution* 47(3): 1203-1216.
11. Raoult, D., D.L. Reed, K. Dittmar, J.J. Kirchman, J-M. Rolain, S. Guillen, and **J.E. Light**. 2008. Molecular identification of lice from pre-Columbian mummies. *Journal of Infectious Diseases* 197: 535-543.
10. **Light, J.E.** and M.S. Hafner. 2007b. Cophylogeny and disparate rates of evolution in sympatric lineages of chewing lice on pocket gophers. *Molecular Phylogenetics and Evolution* 45(3): 997-1013.
9. Hafner, J.C., **J.E. Light**, D.J. Hafner, M.S. Hafner, E. Reddington, D. S. Rogers, and B.R. Riddle. 2007. Basal clades and molecular systematics of heteromyid rodents. *Journal of Mammalogy* 88(5): 1129-1145.
8. **Light, J.E.** and M.S. Hafner. 2007a. Phylogenetics and host associations of *Fahrenholzia* sucking lice (Phthiraptera: Anoplura). *Systematic Entomology* 32(2): 359-370.
7. Reed, D.L., **J.E. Light**, J.M. Allen, and J.J. Kirchman. 2007. Pair of lice lost or parasites regained: the evolutionary history of Anthropoid primate lice. *BMC Biology* 5: 7. doi:10.1186/1741-7007-5-7.
6. Hafner, M.S., **J.E. Light**, D.J. Hafner, S.V. Brant, T.A. Spradling, and J.W. Demastes. 2005. Cryptic species in the Mexican pocket gopher *Cratogeomys merriami*. *Journal of Mammalogy* 86(6): 1095-1108.
5. Burreson, E.M., **J.E. Light** and J.I. Williams. 2005. Redescription of *Cystobranchnus virginicus* Hoffman, 1964 and *Cystobranchnus salmositicus* (Meyer, 1946) (Hirudinida: Piscicolidae) from freshwater fishes in North America. *Comparative Parasitology* 72(2): 157-165.
4. **Light, J.E.**, A. Fiumera, and B. Porter. 2005. Egg feeding in the freshwater piscicolid leech, *Cystobranchnus virginicus* (Annelida: Hirudinea). *Invertebrate Biology* 124(1): 51-57.
3. Hafner, M.S., T.A. Spradling, **J.E. Light**, D.J. Hafner, and J.R. Demboski. 2004. Systematic revision of pocket gophers of the *Cratogeomys gymnurus* species group. *Journal of Mammalogy* 85(6): 1170-1183.
2. Demastes, J.W., A.L. Butt, M.S. Hafner, and **J.E. Light**. 2003. Systematics of a rare species of pocket gopher, *Pappogeomys alcorni*. *Journal of Mammalogy* 84(2): 753-761.
1. **Light, J.E.** and M.E. Siddall. 1999. Phylogeny of the leech family Glossiphoniidae based on mitochondrial gene sequences and morphological data. *Journal of Parasitology* 85(5): 815-823.

Data Manuscripts

1. Poelen, J. H., K.C. Seltmann, M. Campbell, S.A. Orlofske, **J.E. Light**, E.M. Tucker, J.R. Demboski, T. McElrah, C.C. Grinter, R. Diaz-Bastin, S.E. Bush, R. Delapena, J. Cook, L.F. Gall, M.F. Whiting, S.M. Clark, S.L. Cameron, C.R. Reploge, S.S.C. Rund, D. Young, C. Brabant, K. Sullivan, M. Turcatel, R. Shuman Baquiran, Z. Albion, K. Austin, D. Rubinoff, A.I. Cognato, A. Caywood, and J. Colby. 2021. Terrestrial Parasite Tracker indexed biotic interactions and review summary (version 0.5) [Data Set]. Zenodo

Book Chapters and Reviews (undergraduate student author; *graduate student author)**

3. Allen, J.M., C.O. Worman, **J.E. Light**, and D.L. Reed. 2013. Parasitic lice help to fill in the gaps of early hominid history. *In* Primates, Pathogens and Evolution. E. Pechenkina and J. Brinkworth (eds), Springer, pp. 161-186.
2. **Light, J.E.** 2009. Evolutionary and Ecological Interactions between Micromammals and Macroparasites. Book review of *Micromammals and Macroparasites From Evolutionary Ecology to Management* by S. Morand, B.R. Krasnov, and R. Poulin (eds), Springer: Tokyo, 647 pp. *Journal of Mammalian Evolution* 16: 53-55.
1. Reed, D.L., M.A. Toups*, **J.E. Light**, J.M. Allen*, and S. Flannigan**. 2009. Lice and other parasites as markers of primate evolutionary history. *In* Primate Parasite Ecology: The Dynamics and Study of Host-Parasite Relationships. C. Chapman and M. Huffman (eds). Cambridge University Press, pp 231-250.

Experience

- 2023-present **Professor and Curator of Mammals**, Department of Ecology and Conservation Biology and Biodiversity Research and Teaching Collections, Texas A&M University.
- 2020-2023 **Associate Professor and Curator of Mammals**, Department of Ecology and Conservation Biology and Biodiversity Research and Teaching Collections, Texas A&M University.
- 2015-2019 **Associate Professor and Curator of Mammals**, Department of Wildlife and Fisheries Sciences and Biodiversity Research and Teaching Collections, Texas A&M University. (Department restructured with new departments forming in January 2020).
- 2009-2015 **Assistant Professor and Curator of Mammals**, Department of Wildlife and Fisheries Sciences and Biodiversity Research and Teaching Collections, Texas A&M University.
- 2017-present **Narrator**, March Mammal Madness (#2017MMM, #2018MMM, #2019MMM, etc.). Webpage hosted through <https://libguides.asu.edu/marchmammal madness>
- 2006-2008 **Postdoctoral Research Assistant**, Florida Museum of Natural History, University of Florida. Projects include: phylogenetics and population genetics of human lice, and cophylogeny of lice and their primate hosts.
- 2007-2008 **Research Associate**, Moore Laboratory of Zoology, Occidental College. Projects include: phylogenetics of heteromyid and geomyoid rodents.
- 2005 **Research Assistant**, Louisiana State University Museum of Natural Science: BioCorder (Biodiversity Recorder) Project (1 term). Assembled louse data to facilitate the storage, integration, and discovery of phylogenetic and biodiversity data.
- 2003-2004 **Research Assistant**, Louisiana State University Museum of Natural Science: MaNIS (Mammal Networked Information System) project. Assigned geographic coordinates to mammalian museum specimens. The purpose of this project was to develop an integrated network for distributed databases of mammal specimen data.
- 2002-2003 **Curatorial Assistant**, Louisiana State University Museum of Natural Science Collection of Mammals. Responsibilities included processing specimen loans, collection maintenance, managing curatorial employees, and computerization of over 35,000 specimens.

Teaching and Mentoring Experience

- 2021, 2022 **Instructor**, Summer. University of Michigan Field Mammalogy EEB 453 at the University of Michigan Biological Station. 15 students enrolled/summer.

- 2009-present **Instructor**, Fall and Spring Semesters. General Mammalogy ECCB 401 (undergraduate course). 50 students enrolled/semester.
- 2010-present **Instructor**, Spring Semesters. Evolution discussion group (graduate course).
- 2010-2020 **Instructor**, Spring or Fall Semesters. Natural History of Vertebrates ECCB 302 (undergraduate course). 120 students enrolled/semester.
- 2009-present **Mentor** of multiple undergraduate students in the laboratory working on phylogenetics and population genetics of mammals and parasites, Texas A&M University
- 2009-present **Mentor** of multiple undergraduate volunteers and interns at the Biodiversity Research and Teaching Collections, Texas A&M University
- 2006-2008 Mentor of 3 undergraduate students working on louse phylogenetics and population genetics, Florida Museum of Natural History
- 2004-2005 Mentor of 5 undergraduate students in the Museum of Natural Science, Louisiana State University
- 2005 **Teaching Assistant**, Louisiana State University: Honors Introductory Biology (1 term)
- 2003-2004 **Teaching Assistant**, Louisiana State University: Mammalogy (1 term)
- 1999-2002 **Teaching Assistant**, Louisiana State University: Introductory Biology (1 term), Introductory Zoology (1 term), Evolution (1 term), Parasitology (2 terms), and Mammalogy (1 term). I designed the Parasitology laboratory sections

Graduate Students Advised

- Ayomiposi Ayodele 2022 – present; Ph.D. student Ecology and Conservation Biology. Expected date of graduation: May 2027.
- Oluwaseun David Ajileye 2022 – present; Ph.D. student Ecology and Evolution Interdisciplinary Program. Expected date of graduation: May 2027.
- Brandy Craft 2022 – present; M.S. student Ecology and Conservation Biology. Expected date of graduation: May 2025.
- Haley Ellis 2022 – present; M.S. student Ecology and Conservation Biology. Expected date of graduation: May 2024.
- Ali Lira Zeltzin 2021 – present; Ph.D. student Ecology and Evolution Interdisciplinary Program. Expected date of graduation: May 2026.
- Natalie Hamilton 2019 – 2023 Ph.D. student co-advised with Dr. James Cathey (RWF). Graduated August 2023. Currently a graduate researcher at Texas A&M University.
- Danielle Dillard 2019 – present; non-matriculating graduate student.
- Rhianna Belcher 2021 – 2023; Ph.D. student (left academia).
- Stephen Fowler 2020 – 2022; non-thesis M.S. student. Graduated May 2022. Currently a conservation technician with the Nature Conservancy in Aberdeen, South Dakota.
- Delaine Kelley 2020 – 2022; non-thesis M.S. student. Graduated May 2022. Currently a biological specialist with the USDA in Altus, Oklahoma.
- Emily Dowdy 2019 – 2021; non-thesis M.S. distance student. Graduated August 2021. Currently a public school teacher in Rockwall, Texas.
- Lacie LaMonica 2019 – 2021; Ph.D. student (switched labs, then left academia).
- Brittany Kerr 2017 – 2020; non-thesis M.S. distance student. (did not complete degree).
- Leila Siciliano-Martina 2016 – 2020; Ph.D. student co-advised with Dr. Michelle Lawing (ESSM), Graduated August 2020. Currently an Assistant Professor at Texas State University.
- Adrian Castellanos 2013 – 2019; Ph.D. student, graduated December 2019. Currently a data manager at the Cary Institute of Ecosystem Science.
- Whitney Preisser 2013 – 2019; Ph.D. student, graduated August 2019. Currently an Assistant Professor

at Kennesaw State University.

Bridgett Downs 2016 – 2018; M.S. student, graduated August 2018. Currently a PhD student at Texas A&M University, College Station, TX and employed in Alaska.

Oona Takano 2013 – 2016; M.S. student, graduated December 2016. Currently a PhD student at the University of New Mexico, Albuquerque, NM.

Aleyda Galán 2013 – 2016; M.S. student, graduated December 2016. Currently employed at SWCA Environmental Consultants, Houston, TX.

Jaime Rodriguez 2012 – 2014; M.S. student, graduated August 2014. Currently a physician at Family Medicine Physician in Washington.

Caitlin Nessner 2011 – 2014; M.S. student, graduated May 2014. Currently a Senior Software Product Manager at Grail in North Carolina.

Sarah Rae Welborn 2009 – 2012; M.S. student, graduated August 2012. Currently a 5th Grade Math Teacher at Ingram Elementary School, Ingram, TX.

John Jude Andersen 2010 – 2012; M.S. student, graduated May 2012. Currently a Senior Architect at CognitiveScale, Austin, TX.

Graduate Student Committees In Progress

Rachel Busselman, Texas A&M, Dept. Veterinary and Integrative Biosciences (PhD)

Monica Dooley, Texas A&M, Dept. Ecology & Conservation Biology (MS)

Tiffany Inbody, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD)

Lauren Jones, Texas A&M, Dept. of Anthropology (PhD)

Alaya Keane, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD)

Katrina Keith, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD)

Matthew Kulpa, Texas A&M, Dept. of Veterinary Pathobiology (PhD)

Ilana Mosely, Texas A&M, Dept. Veterinary and Integrative Biosciences (PhD)

Amanda Pinion, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD)

Kaitlyn Rosomer, Texas A&M, Dept. Ecology & Conservation Biology (MS)

Ryan Weesner, Texas A&M, Ecology & Evolutionary Biology (PhD)

Brandon Woo, Texas A&M, Dept. of Entomology (PhD)

Student Committees Completed

Jamie Alfieri, Texas A&M, Ecology & Evolutionary Biology (PhD; exam committee 2020)

Andrew Anderson, Texas A&M, Dept. Biology (PhD 2019)

Adrienne Ashe, Texas A&M Galveston, Marine Biology (non-thesis MS 2022)

Kayce Bell, University of New Mexico, Dept. Biology (PhD 2016)

Alyson Brokaw, Texas A&M, Ecology & Evolutionary Biology (PhD 2021)

Jennifer Cary, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD 2020)

Rebecca Castro, Texas A&M, Dept. Ecology & Conservation Biology (non-thesis MS 2022)

Therese Catanach, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD 2017)

Andrew Cook, University of Alberta, Dept. of Biological Sciences (PhD 2022; examination committee)

Nina Du Toit, Stellenbosch University, Dept. Botany and Zoology (PhD 2012; outside reader)

Shelby Echols, Texas A&M, Dept. Range., Wild. & Fish. Management (non-thesis MS 2022)

Marissa Hajduk, Texas A&M Galveston, Dept. Marine Biology (non-thesis MS 2022)

Johanna Harvey, Texas A&M, Dept. Wildlife and Fisheries Sciences (PhD 2018)

Zachary Hancock, Texas A&M, Ecology & Evolutionary Biology (PhD 2020)

Angela Hawkins, Texas A&M, Dept. Biology (PhD 2018)

Kaylee Hollingsworth, Texas A&M, Dept. Wildlife and Fisheries Sciences (MS 2019)

Jerry Huntley, Texas A&M University, Dept. Wildlife and Fisheries Sciences (PhD 2017)
Mackenzie Kjeldgaard, Texas A&M, Dept. Entomology (PhD 2020)
Zanthé Kotzé, Texas A&M, Dept. Entomology (PhD 2019)
Elizabeth Marchio, Texas A&M, Dept. Recreation, Park, and Tourism Sciences (PhD 2019)
Michael McCloy, Texas A&M, Ecology & Evolutionary Biology (PhD; exam committee)
Bryant McDowell, Texas A&M, Dept. Entomology (MS 2019)
Kelsey Neam, Texas A&M, Dept. Wildlife and Fisheries Sciences (MS 2015)
Anna J. Phillips, The City University of New York (CUNY) (PhD 2011)
John Pistone, Texas A&M, Dept. Wildlife and Fisheries Sciences (MS 2016)
Alexa Swenson, Texas A&M, Dept. Wildlife and Fisheries Sciences (non-thesis MS 2018)
Derek Woller, Texas A&M, Dept. Entomology (PhD 2017)

Professional Associations

American Society of Parasitologists, American Society of Mammalogists, Evolution Society, International Congress of Phthirapterists, Society of Systematic Biologists, Southwestern Association of Naturalists, Texas Society of Mammalogists

Professional Service – Academic (Texas A&M University, Louisiana State University)

Faculty Advisor: Aggie Pregnant and Parenting Student Organization (2021-present)

Faculty Co-Advisor: ECCB Graduate Student Association (2022-present)

ECCB Climate and Diversity Committee, Chair: Department of Ecology and Conservation Biology (2020- present)

ESSM-WFSC Reorganization Committee: Texas A&M University (2019)

WFSC Undergraduate Assessment Committee: Department of Wildlife and Fisheries Sciences, Texas A&M University (2018-2019)

Undergraduate Curriculum Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2010-2019)

Undergraduate Curriculum Revision Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2014-2019)

Seminar Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2016-2018)

Co-Faculty Advisor: Texas A&M University Student Chapter of the Wildlife Society (2014-2018)

Communications Chair: Ecology and Evolutionary Biology Interdisciplinary Research Program, Texas A&M University (2015-2017)

Vertebrate Behavioral Ecologist Search Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2015-2016)

Faculty Advisory Board to the Department Chair (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2012-2015)

Large Mammal Search Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2014-2015)

Treasury and Events Chair: Ecology and Evolutionary Biology Interdisciplinary Research Program, Texas A&M University (2014-2015)

Department Chair Search Committee (Member): Department of Wildlife and Fisheries Sciences, Texas A&M University (2011-2012)

Member: Department of Biological Sciences Seminar Committee, Louisiana State University (2002)

Organizer: Museum of Natural Science Seminar Series, Louisiana State University (2000-2001)

Second Vice President: Biology Graduate Student Association, Louisiana State University (2000)

Professional Service – Societies and Federal Organizations

National Science Foundation Panel Service (Fall 2010, Spring 2014, Fall 2017, Spring 2021, Fall 2023)

National Science Foundation Proposal Reviewer (Summer 2018, Spring 2020, Fall 2021, Fall 2022)

Vision Committee: American Society of Mammalogists (2022-present)

Council (Member): Society for Systematic Biologists (2020-present)

President: Texas Society of Mammalogists (2019-2020)

Secretary: *International Society of Phthirapterists* (2018-present)

Board of Directors: American Society of Mammalogists (2021-present)

Office of the Ombudsperson (Member): American Society of Mammalogists (2016-present)

Office of the Ombudsperson (Member): Texas Society of Mammalogists (2022-present)

IDEA Award Committee (Member): Society for Systematic Biologists (2022-present)

Program Committee (Member): American Society of Mammalogists (2014-2021)

Sponsors and Vendors Subcommittee (Chair): American Society of Mammalogists (2014-2021)

Ad Hoc Committee Diversity, Equity, & Inclusion: American Society of Parasitologists (2019-present)

Local Organizing Committee (Member): American Society of Parasitologists (2019-present)

Membership Committee: American Society of Parasitologists (2014-2018)

President-Elect: Texas Society of Mammalogists (2018-2019)

Informatics Committee (Member): Texas Society of Mammalogists (2018-present)

Informatics Committee (Member): American Society of Mammalogists (2014-2017)

Ad-hoc Committee (Publishing Obituaries; Member): American Society of Mammalogists (2016)

McCarley Student Awards Committee: Southwestern Association of Naturalists (2010-2011, 2013)

Student Awards Committee: American Society of Parasitologists (2008-2010)

Grants-in-Aid Committee: American Society of Mammalogists (2007-2013)

Honoraria Committee: American Society of Mammalogists (2007-2013)

Board of Directors: American Society of Mammalogists (2004-2007)

Journal Article Reviews

American Midland Naturalist (2001), *American Museum of Natural History Scientific Publications* (2003, 2013), *Arthropod Systematics & Phylogeny* (2021), *Biodiversity Data Journal* (2017, 2021), *Bioinformatics* (2006), *Biological Invasions* (2022), *Biological Journal of the Linnean Society* (2007, 2010, 2014), *Biology Letters* (2010), *BMC Evolutionary Biology* (2011), *BMC Genomics* (2014), *Bulletin de la Societe Zoologique de France* (2017), *Bulletin of Entomological Research* (2011), *The Canadian Entomologist* (2011), *Comparative Parasitology* (2002, 2004, 2009, 2010, 2015), *Deutsche Entomologische Zeitschrift* (2021), *European Journal of Taxonomy* (2019), *Evolution* (2008, 2009, 2010, 2016), *Evolutionary Applications* (2011), *Folia Parasitologica* (2014), *Herpetological Review* (2019), *Infection, Genetics and Evolution* (2015), *Insect Systematics & Evolution* (2022), *International Journal for Parasitology* (2011, 2021), *Journal of the Arkansas Academy of Science* (2021), *Journal of Biogeography* (2016), *Journal of Mammalian Evolution* (2008, 2016), *Journal of Mammalogy* (2008, 2009, 2012, 2013, 2014, 2018), *Journal of Medical Entomology* (2016, 2020, 2022), *Journal of Parasitology* (2006, 2007, 2008, 2009, 2010, 2014), *Mammalia* (2015), *Medical and Veterinary Entomology* (2023), *Molecular Ecology* (2012, 2017, 2020), *Molecular Phylogenetics and Evolution* (2003, 2009, 2016, 2017, 2022), *Occasional Papers of the Museum Texas Tech University* (2016, 2017, 2019), *Parasitology* (2012, 2015, 2023), *PeerJ* (2019), *PLoS One* (2012, 2013, 2017, 2019), *Polar Biology* (2017), *Scientific Reports* (2014, 2015), *Southeastern Naturalist* (2017, 2018), *The Southwestern Naturalist* (2010, 2012, 2018, 2020), *Systematic Biology* (2006, 2016), *Systematic Entomology* (2016, 2021), *Texas Journal of Science* (2020), *Therya* (2021, 2022, 2022) *Trends in*

Parasitology (2018), *Western North American Naturalist* (2021, 2022), *Zoological Science* (2014), *Zootaxa* (2006, 2007, 2013, 2016, 2018, 2021, 2023)

Invited Talks Presented

2023. *Lice, mice, and museums: Leveraging natural history collections to understand diversity, distributions, and disease in a rapidly changing world.* Field Museum of Natural History, Chicago, IL (in-person; February 2023).
2022. *Lice, mice, and museums: Using natural history collections to understand diversity, distributions, and disease.* Department of Biological Sciences, University of Alberta, Canada (remote; September 2022).
2021. *Of mice and museums: Using natural history collections to understand the diversity and distribution of the North American deer mouse.* Natural History Museum of Los Angeles (remote; December 2021)
2021. *Of mice and museums: Using natural history collections to understand the diversity and distribution of the North American deer mouse.* University of Michigan Ecology and Evolutionary Biology Departmental Seminar (in-person; November 2021)
2021. *Of mice and museums: Using natural history collections to understand the diversity and distribution of the North American deer mouse.* University of Minnesota Ecology, Evolution, and Behavior Departmental Seminar (in-person; November 2021)
2021. *Of mice and museums: Using natural history collections to understand the diversity and distribution of the North American deer mouse.* Texas A&M University San Antonio Departmental Seminar (in-person; September 2021)
2020. *The distribution of the Nelson's pocket mouse (*Chaetodipus nelsoni*) in Texas and beyond.* Texas Parks and Wildlife Department diversity webinar (December 2020)
2019. *Promoting collections-based research and under-represented groups.* National Science Foundation Collections-Based PRFB Mini-Symposium, Sevilleta Field Station, New Mexico (January 2019).
2018. *The Importance of Natural History Museums as Data Sources for Evolutionary Studies.* SACNAS (Advancing Chicanos/Hispanics & Native Americans in Science) 2018 Annual Meeting, San Antonio, Texas. JEL Organized the Scientific Symposia Session “*The Importance of Natural History Collections in Research.*” (October 2018).
2018. *Evolutionary and Ecological Insights from Symbiotic Associations and The Importance of Natural History Museums in Research.* Department of Integrative Biology, Oklahoma State University (February 2018).
2017. *The Continued Importance of Natural History Museums as Data Sources for Evolutionary Studies.* Annual Meeting of the Canadian Society of Zoologists, the University of Manitoba, Winnipeg, Manitoba (May 2017).
2017. *Evolutionary Insights from Symbiotic Associations.* Federated Department of Biological Sciences, Ecology and Evolution Section, Rutgers University-Newark (April 2017).
2017. *Examination of Symbiotic Associations: Ecological and Evolutionary Insights.* Texas A&M University Student Chapter of the Zoological Society (March 2017).
2016. *Evolutionary and Ecological Assessments of Host-Parasite Associations.* National Science Foundation (December 2016).
2016. *Workshop on Work-Life Balance.* 96th Annual Meeting of the American Society of Mammalogists, Minneapolis, Minnesota. I developed, ran, and moderated the workshop.
2016. *Are Lice Really That Lousy? Using Lice as Indicators of Host Evolutionary History.* Department of Entomology Spring 2016 Seminar Series, Texas A&M University (January 2016)
2014. *The Evolutionary History of Mammalian Lice.* Fifth International Conference on Phthiraptera.

Park City, Utah (August 2014).

2014. *Ecological and Population Genetic Assessments of Host-Parasite Associations*. 94th Annual Meeting of the American Society of Mammalogists, Oklahoma City, Oklahoma (June 2014).
2014. *Evolutionary Associations Among Symbiotic Organisms*. Texas A&M University Student Chapter of the Wildlife Disease Association, Texas A&M University, 2014.
2012. *Evolutionary Interactions Between Parasites and their Hosts*. Texas A&M Aggies for the Protection of Endangered Species, College Station, Texas.
2012. *Mammals and Lice: Evolutionary Insights from Host-Parasite Associations*. Department of Forestry and Natural Resources, Purdue University, West Lafayette, Indiana.
2012. *Mammals and Lice: Evolutionary Insights from Host-Parasite Associations*. Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana.
2011. *Mammals and Lice: Evolutionary Insights from Host-Parasite Associations*. Evolutionary Studies Program at Binghamton University, Binghamton, New York.
2010. *A complicated history of association between primates and lice*. California Department of Public Health Vector-borne Disease Section, Vector Control Technician Continuing Education Series, Garden Grove, California (presentation recorded as a DVD).
2010. *Evolutionary history of mammalian sucking lice (Phthiraptera: Anoplura)*. Fifty-eighth Annual Meeting of the Entomological Society of America, San Diego, California.
2010. *Lice and Mice: Evolutionary Interactions Between Parasites and their Hosts*. Texas A&M University Zoological Society, College Station, Texas.
2010. *Estimating divergence times in mammalian sucking lice (Phthiraptera: Anoplura)*. Northeastern Symposium on Evolutionary Divergence Time, Rutgers University, the State University of New Jersey.
2009. *Evolutionary insights from Host-Parasite Interactions: Mammals and their Lice*. Texas A&M Program for Integrated Undergraduate Research Experiences in Biological and Mathematical Sciences, College Station, Texas.
2009. *Evolutionary Insights from Host-Parasite Interactions*. Field Museum, Chicago, Illinois.
2008. *Mammal Systematics and Evolutionary Insights from Host-Parasite Interactions*. Department of Wildlife and Fisheries Sciences, Texas A&M University, College Station, Texas.
2008. *Lice and Mammals: Evolutionary Insights from Host-Parasite Interactions*. Department of Zoology, Southern Illinois University, Carbondale, Illinois.
2008. *Mammals and Lice: Evolutionary Insights from Host-Parasite Interactions*. Department of Biology, Case Western Reserve University, Cleveland, Ohio.
2008. *Mammals and Lice: Evolutionary Insights into Host-Parasite Coevolution*. Department of Biology, Occidental College Darwin Day Talk, Los Angeles, California.
2007. *Evolutionary associations between primates and their ectoparasitic lice*. Oxford Brookes University, United Kingdom.
2007. *Evolutionary history of host-parasite associations: Mammals and their ectoparasitic lice*. Department of Entomology and Nematology Seminar Series, University of Florida, Florida.
2007. *Evolutionary history of host-parasite associations: Mammals and their ectoparasitic lice*. Beta Beta Beta Biological Honor Society Seminar Series, University of Tampa, Florida.
2006. *Tests for cospeciation: Explanations, how-to's, and suggestions based on empirical data*. Fifty-fourth Annual Meeting of the Entomological Society of America, Indianapolis, Indiana.

Talks Presented

2023. *Leveraging natural history collections to understand rodent diversity and distributions in a changing world*. **J.E. Light**, B. Craft, H.N. Ellis, I.F. Greenbaum, N.M. Hamilton, L. Siciliano-Martina, and S.A. Jansa. 13th International Mammalogical Congress, Anchorage, Alaska

- (July 2023).
2022. *Terrestrial Parasite Tracker: Digitizing collections to trace parasite-host associations and predict spread of vector-borne disease*. **J.E. Light**, J. Zaspel, and the Terrestrial Parasite Tracker Network. 4th International Congress on the Parasites of Wildlife, Kruger National Park, South Africa (September 2022).
2022. *Realizing the specimen nexus: links across data types*. **J.E. Light** and J.A. Cook. 101st Annual Meeting of the American Society of Mammalogists, Tucson, Arizona, USA (June 2022).
2019. *This history of diversity, inclusion, and safety in the American Society of Mammalogists*. **J.E. Light**. Annual Meeting of the American Society of Mammalogists, Washington, D.C. (June 2019).
2019. *The Importance of Natural History Museums for Evolutionary Studies*. **J.E. Light**. Department of Wildlife and Fisheries Sciences Brown Bag Seminar Series, Texas A&M University. College Station, Texas. (January 2019).
2018. *Population genetics and rates of movement in a colonizing parasite, Geomydoecus aurei*. **J.E. Light**. Department of Wildlife and Fisheries Sciences Brown Bag Seminar Series, Texas A&M University. College Station, Texas.
2018. *Population genetics and rates of movement in a colonizing parasite, Geomydoecus aurei*. **J.E. Light**, T.A. Spradling, D.J. Hafner, M.S. Hafner, and J.W. Demastes. 2018 International Conference on Phthiraptera 6, Brno, Czech Republic.
2018. *Host associations and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from Africa*. **J.E. Light**, O.M. Takano*, C.E. Nessner*, D.R. Gustafsson, P.S. Mitchell**, and G. Voelker. 2018 International Conference on Phthiraptera 6, Brno, Czech Republic.
2017. *Adventures in Mammalogy: Updates from the Light Lab at Texas A&M University*. 97th Annual Meeting of the American Society of Mammalogists, Moscow, Idaho (June 2017).
2017. *March Mammal Madness: Communicating Science and Art Across Social Media*. **Light, J.E.**, S.P. Maher, C.N. Anderson, V. Apkenas, J.A. Drew, C. Henning, K.L. Lewton, B.P. Tanis, and K. Hinde. 97th Annual Meeting of the American Society of Mammalogists, Moscow Idaho (June 2017; poster).
2017. *A survey of small mammal ectoparasites in south Texas*. **Light, J.E.**, H.A. Folmar**, A.P. Galan*, R.P. Eckerlin, A.P.G. Dowling, and T. Campbell. 92nd Annual Meeting of the American Society of Parasitologists, San Antonio, Texas (June 2017).
2017. *Host associations and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from Africa*. **Light, J.E.**, O.M. Takano*, C. Nessner*, D.R. Gustafsson, P.S. Mitchell, and G. Voelker. 92nd Annual Meeting of the American Society of Parasitologists, San Antonio, Texas (June 2017).
2016. *Are Lice Really That Lousy? Using Lice as Indicators of Host Evolutionary History*. Department of Wildlife and Fisheries Sciences Spring 2016 Seminar Series, Texas A&M University (January 2016)
2014. *Phylogenetic Relationships and Host Associations of Lice (Insecta: Phthiraptera)*. 89th Annual Meeting of the American Society of Parasitologists. New Orleans, Louisiana (July 2014).
2011. *Mammals and Lice: Evolutionary Insights from Host-Parasite Associations*. Department of Wildlife and Fisheries Sciences Brown Bag Seminar Series, Texas A&M University. College Station, Texas.
2009. *Reconstructing the Evolutionary History of Mammalian Sucking Lice*. The 10th International Mammalogical Congress. Mendoza, Argentina (poster).
2009. *Pair of Lice Lost: Parasites as Markers of Primate Evolutionary History*. Alliance for Bioinformatics, Computational Biology, and Systems Biology 2009 Workshop on Bioinformatics, Computational Biology, and Systems Biology. College Station, Texas.

2008. *Multigene Analysis of Phylogenetic Relationships and Divergence Times of Primate Sucking Lice (Phthiraptera: Anoplura)*. Evolution 2008 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Minneapolis, Minnesota.
2008. *Taxonomic Status, Geographic Distributions, and Origins of Human Head and Body Lice*. Eighty-third Annual Meeting of the American Society of Parasitologists, Arlington, Texas.
2006. *Phylogeny, Cophylogeny, and Molecular Rate Comparisons of Fahrenholzia Sucking Lice and their Heteromyid Hosts*. Third International Congress on Phthiraptera, Buenos Aires, Argentina.
2006. *Pair of Lice Lost: Parasites as Markers of Primate Evolutionary History*. Third International Congress on Phthiraptera, Buenos Aires, Argentina.
2006. *Cophylogeny and Molecular Rate Comparisons in Heteromyid Rodents and their Sucking Lice*. Eighty-sixth Annual Meeting of the American Society of Mammalogists, Amherst, Massachusetts.
2006. *Cophylogeny and Molecular Rate Comparisons in Heteromyid Rodents and their Sucking Lice*. Evolution 2006 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Stony Brook, New York.
2004. *Extensive Cophylogeny between Mexican Pocket Gophers and their Parasitic Chewing Lice*. Seventy-ninth Annual Meeting of the American Society of Parasitologists, Philadelphia, Pennsylvania.
2004. *Extensive Cophylogeny between Mexican Pocket Gophers and their Parasitic Chewing Lice*. Evolution 2004 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Fort Collins, Colorado.
2004. *Two New Species of Pocket Gophers from Mexico; Extensive Cophylogeny Between Gophers and Chewing Lice*. Eighty-fourth Annual Meeting of the American Society of Mammalogists, Arcata, California.
2004. *Extensive Cophylogeny between Mexican Pocket Gophers and their Parasitic Chewing Lice*. McDaniel Travel Grant Symposium, Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana.
2003. *Molecular Systematics and Cophylogeny in Rodent-Restricted Sucking Lice (Anoplura: Polyplacidae)*. BioGrads Symposium, Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana.
2003. *Molecular Systematics and Cophylogeny in Rodent-Restricted Sucking Lice (Anoplura: Polyplacidae)*. Seventy-eighth Annual Meeting of the American Society of Parasitologists, Halifax, Canada.
2003. *Systematics of Two Pocket Gopher Assemblages in Mexico*. Museum of Natural Science Seminar, Louisiana State University, Baton Rouge, Louisiana.
2002. *Systematics of the Cratogeomys gymnurus species complex based on morphological data*. Eighty-second Annual Meeting of the American Society of Mammalogists, Lake Charles, Louisiana.
2002. *Systematics of the Cratogeomys gymnurus species complex based on morphological data*. Evolution 2002 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Champaign, Illinois.
2002. *Cophylogeny between Fahrenholzia (Anoplura: Polyplacidae) and their heteromyid rodent hosts and preliminary systematics of Polyplacidae based on molecular data*. The Second International Congress on Phthiraptera, Brisbane, Australia.
2002. *Cophylogeny between Fahrenholzia (Anoplura: Polyplacidae) and their heteromyid rodent hosts and preliminary systematics of Polyplacidae based on molecular data*. The Tenth International Congress of Parasitology, Vancouver, Canada.

2001. *Coevolution between sucking lice and their mammalian hosts using molecular data*. Systematics, Ecology, and Evolution Seminar, Louisiana State University, Baton Rouge, Louisiana.
1999. *Phylogeny of the leeches based on molecular and morphological data*. Evolution 1999 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Madison, Wisconsin (poster).
1999. *Phylogeny of the leech family Glossiphoniidae based on mitochondrial gene sequences and morphological data*. BioGrads Symposium, Department of Biological Sciences, Louisiana State University, Baton Rouge, Louisiana.
1999. *Phylogeny of the leech family Glossiphoniidae based on mitochondrial gene sequences and morphological data*. Museum of Natural Science Seminar, Louisiana State University, Baton Rouge, Louisiana.
1998. *Phylogeny of the leech family Glossiphoniidae based on mitochondrial gene sequences and morphological data*. Seventy-third Annual Meeting of the American Society of Parasitologists, Kona, Hawai'i.

Student and Co-author Talks Presented (undergraduate student; *graduate student)**

2023. *Population genetic structure of Townsend's big-eared bats in the western United States*. K. Sanchez**, N.M. Hamilton*, **J.E. Light**, and M. Morrison. 13th International Mammalogical Congress, Anchorage, Alaska (July 2023)
2023. *Species delimitation in the Peromyscus maniculatus species group using natural history collections and genomic data*. N.M. Hamilton*, **J.E. Light**, and S.A. Jansa. 13th International Mammalogical Congress, Anchorage, Alaska (July 2023)
2023. *Of mice and museums: species delimitation in the Peromyscus maniculatus species group using natural history collections and genomic data*. N.M. Hamilton*, S.A. Jansa, and **J.E. Light**. 2023 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2023).
2022. *Species delimitation in the North American deer mouse using museum specimens*. N. Hamilton*, **J.E. Light**, and S.A. Jansa. Evolution 2022, Cleveland, Ohio (June 2022; poster).
2021. *Changes in canid cranial morphology induced by captivity and conservation implications*. L. Siciliano-Martina*, **J.E. Light**, and A.M. Lawing. 100th Annual Meeting of the American Society of Mammalogists, Virtual (June 2021).
2021. *Catalyzing the next major leaps forward in collections-based biodiversity informatics for mammals*. Anderson, R.P., E.A. Lacey, J.A. Cook, and **J.E. Light**. 100th Annual Meeting of the American Society of Mammalogists, Virtual (June 2021).
2019. *An ancient suture zone in the Gulf of Mexico inferred from the phylogeography of sand-burrowing amphipods (Haustoriidae)*. Hancock, Z.B.*, F.O. Hardin*, and **J.E. Light**. Biology Department Noon Seminar Series, Texas A&M University.
2019. *Phylogeography of sand-burrowing amphipods (Haustoriidae) supports an ancient suture zone in the Gulf of Mexico*. Hancock, Z.B.*, F.O. Hardin*, and **J.E. Light**. Evolution Meetings, Providence, RI (June 2019).
2019. *Morphological consequences of captivity: a meta-analysis*. L. Siciliano-Martina*, **J.E. Light**, and A.M. Lawing. 99th Annual Meeting of the American Society of Mammalogists, Washington, DC (June 2019).
2019. *Latitudinal diversity gradients: hosts and climate shape parasite diversity patterns*. W.C. Preisser*. 99th Annual Meeting of the American Society of Mammalogists, Washington, DC (June 2019).
2019. *Collaborations with citizen science to update species distributions: case study with Ursus americanus in Texas*. A.S. Keane *, J.W. Evans, and **J.E. Light**. 2019 Annual Meeting of the

- American Society of Mammalogists, Washington, DC (poster; June 2019).
2019. *Patterns of parasitism: new insights into latitudinal gradients of parasite diversity*. W.C. Preisser*. Houston Regional Ecology and Evolution Student Symposium, University of Houston, Houston, Texas (May 2019)
2019. *Unintended morphological impacts of captivity in Mexican wolves (*Canis lupus baileyi*)*. L. Siciliano-Martina*, **J.E. Light**, and A.M. Lawing. Texas A&M University Ecological Integration Symposium (Spring 2019).
2019. *Unintended morphological impacts of captivity in Mexican wolves (*Canis lupus baileyi*)*. L. Siciliano-Martina*, **J.E. Light**, and A.M. Lawing. Texas A&M University Student Research Week (Spring 2019).
2019. *Patterns of parasitism: new insights into latitudinal gradients of parasite diversity*. W.C. Preisser*. Texas A&M University Ecology and Evolutionary Biology Seminar Series, College Station, Texas (February 2019)
2019. *Phylogeographic assessment of the Heermann's kangaroo rat (*Dipodomys heermanni*)*. B.B. Downs*, A.A. Castellanos*, and **J.E. Light**. Annual Meeting of the Western Section of The Wildlife Society, Yosemite, California (February 2019).
2019. *Updating species distributions using citizen science and museum records: a case study with black bears (*Ursus americanus*) in Texas*. A.S. Keane**, J.W. Evans, and **J.E. Light**. 2019 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2019; poster).
2019. *March Mammal Madness: a story about science and social media*. P.K. Connors, **J.E. Light**, B.P. Tanis, J.A. Drew, C.A. Anderson, and K. Hinde. 2019 Annual Meeting of the Society for Integrative & Comparative Biology, Tampa, Florida (presented by P.K. Connors).
2018. *Manic pixie dream squirrel: phylogeography of the colorful *Sciurus variegatoides**. A.A. Castellanos*, W.J. Murphy, and **J.E. Light**. 2018. 98th Annual Meeting of the American Society of Mammalogists, Kansas State University.
2018. *Phylogeographic assessment of the Heermann's kangaroo rat (*Dipodomys heermanni*)*. B.B. Downs* and **J.E. Light**. 2018. 98th Annual Meeting of the American Society of Mammalogists, Kansas State University.
2018. *Exploring the distribution of *Peromyscus maniculatus* in south Texas*. L. Siciliano-Martina*, I.F. Greenbaum, M. Casillas**, M. Lawing, and **J.E. Light**. 2018 Annual Meeting of the American Society of Mammalogists, Kansas State University (poster).
2018. *March Mammal Madness: a successful story about science and social media*. P.K. Connors, **J.E. Light**, B.P. Tanis, J.A. Drew, C.A. Anderson, and K. Hinde. 2018. 98th Annual Meeting of the American Society of Mammalogists, Kansas State University (presented by P.K. Connors).
2018. *Exploring the distribution of *Peromyscus maniculatus* in south Texas*. L. Siciliano-Martina*, I. Greenbaum, M. Casillas**, M. Lawing, and **J.E. Light**. 2018 Ecological Integration Symposium, Texas A&M University (April 2018; poster, Best Poster award).
2018. *Exploring the distribution of *Peromyscus maniculatus* in south Texas*. L. Siciliano-Martina*, I. Greenbaum, M. Casillas**, M. Lawing, and **J.E. Light**. 2018 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2018; poster).
2018. *Phylogeographic assessment of the Heermann's kangaroo rat (*Dipodomys heermanni*)*. B.B. Downs* and **J.E. Light**. 2018 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2018; poster).
2017. *Central America and its squirrel of many colors: phylogeography of *Sciurus variegatoides**. Castellanos, A.A., W.J. Murphy, and **J.E. Light**. 97th Annual Meeting of the American Society of Mammalogists, Moscow, Idaho, June 2017.
2017. *A diversity assessment of small mammals and their ectoparasites in south Texas*. Folmar,

- H.A.***, A.P. Galan*, R.P. Eckerlin, A.P.G. Dowling, T. Campbell, and **J.E. Light**. 97th Annual Meeting of the American Society of Mammalogists, Moscow Idaho, June 2017 (poster).
2017. *Phylogeographic assessment of the Heermann's kangaroo rat (Dipodomys heermanni)*. Downs, B.B. and **J.E. Light**. 97th Annual Meeting of the American Society of Mammalogists, Moscow, Idaho (June 2017; poster)/
2017. *Comparison of filtering schemes in ecological niche modeling using the Gulf Coast kangaroo rat, Dipodomys compactus*. A.A. Castellanos*, J.W. Huntley*, **J.E. Light**, and A.M. Lawing. 2017 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2017; poster).
2017. *Phylogeographic assessment of the Heermann's kangaroo rat (Dipodomys heermanni)*. B.B. Downs* and **J.E. Light**. 2017 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas (February 2017; poster).
2016. *Surveys of parasitic nematodes infecting cricetid rodents in Texas and Nebraska, with preliminary insights into the parasite latitudinal diversity gradient*. W.C. Preisser* and **J.E. Light**. The 91st Annual Meeting of the American Society of Parasitologists, Edmonton, Alberta, Canada.
2016. *Preliminary phylogeographic analysis of Sciurus variegatoides*. A.A. Castellanos*, W.J. Murphy, and **J.E. Light**. The 96th Annual Meeting of the American Society of Mammalogists, Minneapolis, Minnesota.
2016. *Diversity and biogeography of avian chewing lice (Insecta: Phthiraptera) in South Africa*. O.M. Takano*, P. Mitchell**, G. Voelker, and **J.E. Light**. Evolution 2016, Austin, Texas.
2016. *Host associations and geographic comparisons of avian chewing lice across Sub-Saharan Africa*. O.M. Takano*, P. Mitchell**, G. Voelker, and **J.E. Light**. 2016 Ecological Integration Symposium, Texas A&M University.
2016. *A survey of small mammal ectoparasites in south Texas*. H.A. Folmar**, A.P. Galán*, R.P. Eckerlin, T. Campbell, and **J.E. Light**. 2016 Ecological Integration Symposium, Texas A&M University. (poster)
2016. *Host associations and new geographic localities of parasitic chewing lice from Benin*. P.S. Mitchell**, O.Takano*, G. Voelker, and **J.E. Light**. 2016 Ecological Integration Symposium, Texas A&M University. (poster)
2016. *A survey of small mammal ectoparasites in south Texas*. H.A. Folmar**, A.P. Galán*, R.P. Eckerlin, T. Campbell, and **J.E. Light**. 2016 Annual Meeting of the Texas Chapter of the Wildlife Society. (poster)
2016. *More than storage: building biodiversity knowledge via scientific collections*. Galán, A.P.* , O.M. Takano*, P.S. Mitchell**, and **J.E. Light**. 2016 Annual Meeting of the Texas Chapter of the Wildlife Society. (poster)
2015. *Host associations and diversity of two suborders of avian chewing lice from South Africa*. O.M. Takano*, P. Mitchell**, G. Voelker, and **J.E. Light**. 133rd Annual Meeting of the American Ornithologists' Union, Norman, Oklahoma.
2015. *Host associations of avian chewing lice (Phthiraptera: Amblycera) from South Africa*. P. Mitchell**, O.M. Takano, G. Voelker, and **J.E. Light**. 133rd Annual Meeting of the American Ornithologists' Union, Norman, Oklahoma. (poster)
2015. *Host associations and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from South Africa*. O.M. Takano*, G. Voelker, and **J.E. Light**. Evolution 2015 Meeting, Guarujá, Brazil (poster).
2015. *Patterns of parasitism: the latitudinal diversity gradient of parasitic helminthes*. W.C. Preisser*, N.O. Dronen, and **J.E. Light**. The 90th Annual Meeting of the American Society of Parasitologists, Omaha, Nebraska.

2015. *Endoparasite diversity of cricetid rodents in Costa Rica and Texas*. K.M. Lasater**, W.C. Preisser*, and **J.E. Light**. The 90th Annual Meeting of the American Society of Parasitologists, Omaha, Nebraska.
2015. *Small mammal interactions with invasive species: implications for tick-borne disease risk*. A.A. Castellanos*, S.A. Hamer, L.D. Auckland, M.E. Morrow, and **J.E. Light**. 95th Annual Meeting of the American Society of Mammalogists, Jacksonville, Florida.
2015. *Biodiversity assessment of small mammals, ticks, and tick-borne pathogens in South Texas*. A.P. Galán*, H.A. Folmar**, S.A. Hamer, T. Campbell, and **J.E. Light**. 95th Annual Meeting of the American Society of Mammalogists, Jacksonville, Florida.
2015. *Small mammals and associated ectoparasites occupying distinct south Texas ecoregions*. H.A. Folmar**, A.P. Galán*, T. Campbell, and **J.E. Light**. 95th Annual Meeting of the American Society of Mammalogists, Jacksonville, Florida (poster).
2015. *Biodiversity assessment of small mammals, ticks, and tick-borne pathogens*. A.P. Galán*, H.A. Folmar**, T. Campbell, S.A. Hamer, and **J.E. Light**. 2015 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.
2015. *Biodiversity assessment of small mammals, ticks, and tick-borne pathogens*. A.P. Galán*, H.A. Folmar**, T. Campbell, S.A. Hamer, and **J.E. Light**. 2015 Annual Meeting of the Texas Chapter of the Wildlife Society.
2015. *Invaders of the Gulf Coastal Prairie: Effects of fire ants on small mammals and ticks*. A.A. Castellanos*, S.A. Hamer, L.D. Auckland, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. 2015 Annual Meeting of the Texas Society of Mammalogists, Junction, Texas.
2015. *Roost-site selection and movements of the Townsend's big-eared bat*. M. Morrison, J. Szewczak, L. Harris, **J.E. Light**, and O. Takano*. 45th Annual Symposium of the North American Society for Bat Research, Monterey, California (October 2015; presented by M. Morrison).
2015. *The future of ASM meetings: 2016 and beyond*. C.W. Thompson, S.A. Jansa, K.C. Bell, B.R. Blood, M.J. Hamilton, J.D. Hanson, L.E. Helgen, **J.E. Light**, S.C. Loeb, V.L. Mathis, R.N. Platt II, M.A. Revelez, M.H. Schadler, W.P. Smith, K.A. Speer, P.A. Zollner, and T. Ballard. 95th Annual Meeting of the American Society of Mammalogists, Jacksonville, Florida (June 2015; poster presented by C.W. Thompson).
2014. *Host associations and genetic diversity of avian chewing lice from South Africa*. O.M. Takano*, **J.E. Light**, and G.A. Voelker. Department of Wildlife and Fisheries Sciences, Texas A&M University, Lunchtime Seminar.
2014. *Invaders of the Gulf Coastal Prairie: effects of fire ants on small mammals and ticks*. A.A. Castellanos*, S.A. Hamer, L.D. Auckland, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. Department of Wildlife and Fisheries Sciences, Texas A&M University, Lunchtime Seminar.
2014. *It's complicated: relationships between tick-borne disease systems and invasive ants*. A.A. Castellanos*, S.A. Hamer, L.D. Auckland, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. Texas A&M University Student Chapter of the Wildlife Disease Association.
2014. *Host associations and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from South Africa*. O.M. Takano*, G. Voelker, and **J.E. Light**. Fifth International Congress on Phthiraptera. Park City, Utah.
2014. *Invasive ants as drivers of tick-borne disease systems*. A.A. Castellanos*, S.A. Hamer, L.D. Auckland, G.L. Hamer, M.E. Morrow, P.D. Teel, and **J.E. Light**. The 89th Annual Meeting of the American Society of Parasitologists, New Orleans, Louisiana.
2014. *Tick-borne pathogens in a rodent community of east-central Texas*. J.E. Rodriguez*, A.A.

- Castellanos*, L.D. Auckland, **J.E. Light**, and S.A. Hamer. The 89th Annual Meeting of the American Society of Parasitologists, New Orleans, Louisiana.
2014. *Host associations and genetic diversity of avian chewing lice (Insecta: Phthiraptera) from South Africa*. O.M. Takano*, G. Voelker, and **J.E. Light**. The 89th Annual Meeting of the American Society of Parasitologists, New Orleans, Louisiana (poster).
2014. *Rodent and parasite diversity at the Soltis Center in San Isidro, Costa Rica*. W.C. Preisser*, M.J. Olmos**, and **J.E. Light**. The 89th Annual Meeting of the American Society of Parasitologists, New Orleans, Louisiana (poster).
2014. *Impact of red imported fire ants on small mammals, ticks, and tick-borne pathogens*. A.A. Castellanos, S.A. Hamer, K.M. Wagner, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. Ecological Integration Symposium, Texas A&M University (poster).
2014. *Impact of red imported fire ants on small mammals, ticks, and tick-borne pathogens*. A.A. Castellanos, S.A. Hamer, K.M. Wagner, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. Student Research Week, Texas A&M University (poster).
2014. *Impact of red imported fire ants on small mammals, ticks, and tick-borne pathogens*. A.A. Castellanos*, S.A. Hamer, K.M. Wagner, G.L. Hamer, M.E. Morrow, P.D. Teel, M.D. Eubanks, and **J.E. Light**. 32nd Annual Meeting of the Texas Society of Mammalogists, Junction, Texas, (poster).
2013. *Population genetic analyses of chewing lice parasitizing pocket gophers*. C. Nessner* and **J.E. Light**. 2013 Entomological Society of America Annual Meeting, Austin, Texas (poster).
2013. *Population genetic analyses of chewing lice (*Geomydoecus ewingi*) parasitizing pocket gophers (*Geomys breviceps*)*. C. Nessner*. 2013 Entomological Society of America Annual Meeting, Austin, Texas.
2013. *Small rodent species as reservoirs for the zoonotic relapsing fever spirochete, *Borrelia miyamotoi**. J.E. Rodriguez*, A. Castellanos*, L.D. Auckland, **J.E. Light**, and S.A. Hamer. 2013 Entomological Society of America Annual Meeting, Austin, Texas (poster).
2013. *Wild rodents in the ecology of tick-borne pathogens in east-central Texas*. J.E. Rodriguez*, A. Castellanos*, L.D. Auckland, **J.E. Light**, and S.A. Hamer. The 63rd James Steele Conference on Diseases in Nature Transmissible to Man (DIN), Houston, Texas (poster).
2013. *Population genetics of chewing lice (*Geomydoecus ewingi*)*. C. Nessner*. Texas A&M University Student Research Week (poster).
2013. *Population genetics of chewing lice (*Geomydoecus ewingi*)*. C. Nessner*. Entomological Society of America, Southwestern Branch Meeting, Baton Rouge, Louisiana.
2012. *Population genetics of chewing lice (*Geomydoecus sp.*)*. C. Nessner*, **J.E. Light**, J.J. Andersen, and S.R. Welborn. 1st Joint Congress on Evolutionary Biology, Evolution Ottawa, Canada.
2011. *Population dynamics of the pallid kangaroo mouse, *Microdipodops pallidus**. J.J. Andersen*, J.C. Hafner, and **J.E. Light**. Ninety-first Annual Meeting of the American Society of Mammalogists, Portland, Oregon.
2011. *Population genetic analyses of the Baird's pocket gopher, *Geomys breviceps**. S.R. Welborn* and **J.E. Light**. Ninety-first Annual Meeting of the American Society of Mammalogists, Portland, Oregon.
2010. *Molecules and fossils – Divergence time estimation for studying the evolution of bioluminescence in Coleoptera*. M. Branham and **J.E. Light**. Fifty-eighth Annual Meeting of the Entomological Society of America, San Diego, California.
2010. *Phylogeographic assessment of the Hispid Pocket Mouse, *Chaetodipus hispidus**. J.J. Andersen** and **J.E. Light**. Ninetieth Annual Meeting of the American Society of Mammalogists, Laramie, Wyoming (poster).
2010. *Phylogeography of the Northern Pygmy Mouse, *Baiomys taylori**. M.O. Ostroff** and

- J.E. Light.** Ninetieth Annual Meeting of the American Society of Mammalogists, Laramie, Wyoming (poster).
2010. *Why don't endosymbionts go extinct? Müller's Ratchet and selection in endosymbionts.* J.M. Allen, **J.E. Light**, M.A. Perotti, H.R. Braig, and D.L. Reed. Evolution 2010 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Portland, Oregon.
2010. *Coevolutionary history of sucking lice and their primary endosymbionts.* J.M. Allen, **J.E. Light**, and D.L. Reed. Fourth International Conference on Phthiraptera (ICP 4), Urgup, Cappadocia, Turkey.
2010. *Population genetic analysis of parasitic lice provides insight into the origin of human clothing.* M.A. Toups, A.A. Kitchen, **J.E. Light**, and D.L. Reed. Fourth International Conference on Phthiraptera (ICP 4), Urgup, Cappadocia, Turkey.
2010. *Genetic analysis of human head and clothing lice indicates an early origin of clothing use in archaic hominins.* A. Kitchen, M. Toups, **J.E. Light**, and D.L. Reed. Seventy-ninth Annual Meeting of the American Association of Physical Anthropologists, Albuquerque, New Mexico.
2009. *What prevents endosymbiont extinction? Müller's Ratchet vs. selection in primary endosymbionts.* J.M. Allen, **J.E. Light**, M.A. Perotti, H.R. Braig, and D.L. Reed. Southern Ecology and Evolution Conference, University of Florida.
2008. *Dramatic decrease in substitution rates over time in obligate endosymbionts: the role of selection in tempering Müller's Ratchet.* J.M. Allen, **J.E. Light**, M.A. Perotti, H.R. Braig, and D.L. Reed. Society for Molecular Biology and Evolution 2008 Annual Meeting, Barcelona, Spain (poster).
2008. *Population genetic analysis of parasitic lice provides insight into the origin of human clothing.* M.A. Toups, A. Kitchen, **J.E. Light**, and D.L. Reed. Society for Molecular Biology and Evolution 2008 Annual Meeting, Barcelona, Spain (poster).
2007. *Elevated rates of evolution in young assemblages of insects and their primary endosymbionts.* J.M. Allen, **J.E. Light**, M.A. Perotti, H.R. Braig, and D.L. Reed. University of Florida Genetics Symposium (poster).
2007. *Pair of lice lost or parasites regained: Using coevolutionary partners to uncover the past.* J.M. Allen, D.L. Reed, **J.E. Light**, J.J. Kirchman, and C.O. Worman. University of Florida Genetics Symposium (poster)
2007. *Are head lice and clothing lice genetically distinct? A coalescent approach using IM.* M. Toups, **J.E. Light**, and D.L. Reed. Evolution 2007 (Joint Meeting: The Society for the Study of Evolution, The American Society of Naturalists, and The Society for Systematic Biologists), Christchurch, New Zealand (poster).
2007. *Are head lice and clothing lice genetically distinct? A coalescent approach using IM.* M. Toups, **J.E. Light**, A. Kitchen, and D.L. Reed. University of Florida Genetics Symposium (poster).
2007. *The relationship between head lice and body lice.* M. Toups, **J.E. Light**, A. Kitchen, and D.L. Reed. Southeastern Population Ecology and Evolutionary Genetics Conference (poster).
2007. *Are head lice and clothing lice genetically distinct? A coalescent approach using IM.* M. Toups, **J.E. Light**, A. Kitchen, and D.L. Reed. Southeastern Population Ecology and Evolutionary Genetics Conference (poster).

Abstracts Presented

1998. Montagnini, M.L., N.B. Alexander, L.V. Nyquist, **J.E. Light**, J.C. Grunawalt, R.S. Keller, D.A. Finch, and D.L. Snow. Mobility strategies in hospitalized older adults. *Journal of the American Geriatrics Society* 46: S103.

1997. Montagnini, M.L., N.B. Alexander, L.V. Nyquist, **J.E. Light**, J.C. Grunawalt, R.S. Keller, D.A. Finch, and D.L. Snow. 1997. Mobility performance of older adults in their hospital room. *Journal of the American Geriatric Society* 45: S64.
1997. Alexander, N.B., M.L. Montagnini, L.V. Nyquist, **J.E. Light**, J.C. Grunawalt, R.S. Keller, D.A. Finch, and D.L. Snow. 1997. Gap between self-report and performance-based disability assessment in hospitalized elderly. *Journal of the American Geriatrics Society* 45: S38.

Broader Impacts

- March Mammal Madness Narrator (2017-present)
- Skype with a Scientist (2018-present)
- Instructed 5-yr olds at Becky Gates Community Center about bats (November 2019)
- Instructed 5-yr olds at Becky Gates Community Center about bats (November 2016)
- Instructed 4-yr olds at Becky Gates Community Center about mammals (June 2016)
- Participated in BioBlitz, sponsored by the Texas A&M University Conservation Society. Taught the general public about mammals, specifically pocket gophers (May 2016, 2017, 2018)
- Instructed College Station Consolidated High School students on mammal identification in preparation for the Texas Future Farmers of America wildlife and recreation management contest (April 2014)
- Presented mammal collection information for Texas Master Naturalists Program at the Biodiversity Research and Teaching Collections (February 2014)
- Panelist: “The Role of Collections in Disturbance and Recovery”, 2011 Ecological Integration Symposium, Texas A&M University (March, 2011)
- Presented research information for Texas Master Naturalists Program at the Texas Cooperative Wildlife Collection (August 1, 2009, October 20, 2009, October 27, 2010)
- Presented scientific career option to elementary students at Bates Academy, Detroit, Michigan (2008)
- Presented mammal material (specifically regarding Big Cats) at the University of Florida Fall fundraising event, Florida Museum of Natural History (2007)
- Displayed mammal preparations at the Florida Museum of Natural History as part of a Museum display for the annual meeting of the Florida Association of Museums (2006)
- Presented mammal material to children at the Presbyterian Day School, Baton Rouge, Louisiana (2001)
- Presented leech biology material to children at the Museum of Natural Science’s monthly Special Saturday series (2000)
- Presented habitat diversity and leech biology material to children at Dalton Elementary School, Baton Rouge, Louisiana (2000)
- Presented marine biology material to children of Louisiana in connection with Louisiana State University’s “Ocean Commotion” symposium (1999)
- Presented leech biology material to children at Prescott Middle School, Baton Rouge, Louisiana (1999)