Leila Siciliano-Martina, Ph.D.

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CURRENT APPOINTMENT

2023 – Present	**Assistant Professor.** Department of Biology, Texas State University, San Marcos, TX

EDUCATION

2020	**Ph.D.** Ecology & Evolutionary Biology Program. Texas A&M University. *Variation in the skull morphology of captive mammals: A geometric morphometric and meta-analytic approach* Advisors: A. Michelle Lawing and Jessica E. Light.
2011	**Master of Science.** Department of Zoology. Michigan State University. *Causes and consequences of maternal deprivation in captive giraffes (Giraffa camelopardalis*)
2007	**Bachelor of Science.** Geography of Natural Systems, Biology. Northern Illinois University

PREVIOUS PROFESSIONAL EXPERIENCE

2022 – 2023	**Postdoctoral Researcher.** Georgia Institute of Technology, Atlanta, GA; Texas A&M Agrilife, College Station, TX
2020 - 2022	**Postdoctoral Researcher.** Texas State University, San Marcos, TX
2016 - 2019	**Graduate Research and Teaching Assistant.** Texas A&M University, College Station, TX
2014 - 2017	**Biology Instructor,** Our Lady of the Lake University, San Antonio, TX.
2014 - 2017	**Museum Assistant,** Central Michigan University Herbarium, Mount Pleasant, MI and University of Michigan Herbarium, Ann Arbor, MI
2013 - 2014	**Animal Diversity Web Content Editor,** University of Michigan Museum of Zoology, Ann Arbor, MI
2012 - 2013	**Museum Assistant,** Michigan State University Museum, East Lansing, MI.
2010 - 2011	**Graduate Teaching Assistant,** Michigan State University, East Lansing, MI
2010	**Curatorial Intern,** Binder Park Zoo, Battle Creek, MI
2009 - 2009	**Volunteer Coordinator,** John Ball Zoo, Grand Rapids, MI
2007 – 2009	**Program Coordinator,** Capital Area Humane Society, Lansing, MI
2007	**Zookeeping Intern**, Brookfield Zoo, Brookfield, IL

PUBLICATIONS

‡Mentored undergraduate; *Mentored graduate student

Published or In Press manuscripts

Light, J.E., **Siciliano-Martina, L.,** Morley, L., Castellanos, A.A., LaMonica, L., Hafner, D.J. (2025). Taxonomic status of *Chaetodipus lineatus* and phylogeography of the *Chaetodipus nelsoni* species group. *Journal of Mammalogy, 106*: 1187-1198. DOI: 10.1093/jmammal/gyaf052

Scicluna, E., Parrott, M.L, **Siciliano-Martina, L.,** Michaud, M., Robert, K.A, Green, P.T. (2025). Long term impacts of captivity on skull morphology and endocranial volume in a marsupial carnivore. *Royal Society Open Science, 12*(5), 240868. DOI:10.1098/rsos.240868

Hurtado-Materon, M.A., **Siciliano-Martina, L.,** Short, R.A., McGuire, J.L., Lawing, A.M. commecometrics: An R package for trait-environment modeling at the community level. Biodiversity Data Journal, 13: e168221. https://doi.org/10.3897/BDJ.13.e168221

Siciliano Martina, L., McGuire, J.L., Hurtado Materon, M.A., Short, R.A., Lauer, D.A., Schap, J.A., Müller, J., Manthi, F.K., Head, J.J., Lawing, A.M. (2024). Ecometrics demonstrates that the functional dental traits of carnivoran communities are filtered by climate. *Ecology and Evolution*, *14*(10), e70214. DOI:10.1002/ece3.70214

Siciliano-Martina, L., Guerra, D.A., Veech, J.A. (2023). Burrow substrate and forelimb specialization in kangaroo rats (Genus *Dipodomys*). *Journal of Mammalogy*. 104(6): 1377-1389. DOI: 10.1093/jmammal/gyad092

Siciliano-Martina, L., Martina, J.P., Dohnalik, E. ‡, Vielleux, G. ‡ (2023). Factors influencing the frequency and timing of litters in captive fennec foxes (*Vulpes zerda*). *Animal Reproduction Science*. 248: 107182. DOI: 10.1016/j.anireprosci.2022.107182

Siciliano-Martina, L., Michaud, M., Scicluna, E., Tanis, B., Lawing, A.M. (2022). Endocranial volume increases across captive generations in the endangered Mexican wolf. *Scientific Reports*. 12: 8147. DOI: 10.1038/s41598-022-12371-6

Siciliano-Martina, L., Light, J.E., Riley, D., Lawing, A.M. (2022). One of the wolves in not like the other: Morphological effects and conservation implications of captivity in Mexican wolves (*Canis lupus baileyi*). *Animal Conservation*. 25(1): 77-90. DOI: 10.1111/acv/12724

Siciliano-Martina, L., Light, J.E., Lawing, A.M. (2021). Morphological consequences of captivity: a meta-analysis. *Frontiers in Zoology*. 18(4): 1-13. DOI: 10/1186/s12983-021-00386-0

Siciliano-Martina, L., Light, J.E., Lawing, A.M. (2021). Changes in canid cranial morphology induced by captivity and conservation implications. *Biological Conservation*. 257: 109143. DOI: 10.1016/ j.biocon.2021.109143

Light, J.E., **Siciliano-Martina, L.,** Dohnalik, E. ‡, Vielleux, G. ‡, Hafner, D.J., Lawing, A.M., Greenbaum, I.F. (2021). Morphological differentiation of *Peromyscus leucopus* and *P. maniculatus* in east Texas. *Therya*. 12(2): 369-387. DOI: 10.12933/therya-21-1116

Siciliano-Martina, L. & J. Martina. (2020). Shifting barriers to the acceptance of evolution in an underrepresented student group. *International Journal of Science Education*. 42(13): 2205-2223. DOI: 10.1080/09500693.2020.1815247

Siciliano-Martina, L. (2020). Multi-institutional survey of causes of maternal-rejection in giraffes *Giraffa camelopardalis* in North American zoos. *International Zoo Yearbook*. 54: 191-201. DOI: 10.1111/izy.12252

Siciliano-Martina, L. & J. Martina. (2018). Stress and social behaviors of maternally-deprived captive giraffes (*Giraffa camelopardalis*). *Zoo Biology*. 37(20): 1-10. DOI: 10.1002/zoo.21405

Submitted/In Review

Greenbaum, I.F., **Siciliano-Martina, L.**, Jansa, S.A., Light, J.E. Morphological differentiation of three members of the Peromyscus maniculatus species group. *Journal of Mammalogy* (*In Revision*).

Lamb, S.*, **Siciliano-Martina, L.** Impacts of human land use and seasonal factors on gray fox (*Urocyon cinereoargenteus*) diet. *Southwest Naturalist* (*In Revision*)

Meeks, A., Serenari, C., Green, M.C., Rubino, E.C., **Siciliano-Martina, L.**, Newstead, D., Barron, T. The role of self-governance in recreationists' attitudes and stated intention to engage in waterbird conservation. Human Dimensions of Wildlife (*Submitted*)

Siciliano-Martina, L., Herod, M., Boyden‡, G., Hazell‡, J., Martina, J.P. Leaf asymmetry in an invasive clonal plant: Stress response or growth strategy? *Functional Ecology* (*Submitted*)

In Prep

Siciliano-Martina, L., Hurtado-Materon, Lawing, A.M., Smiley, T., M.A, Bushell*, Brown, I.‡, M., Salel‡, M., Clarke, T.‡, Schap, J.A., Lauer, D.A., Manthi, F.K., Short, Head, J.J., McGuire, J.L. Carnivoran relative blade length as an ecometric proxy for paleoenvironment in the Koobi Fora Formation, Kenya. *Paleontology* (*In Prep*)

Siciliano-Martina, L., Law, C.J., Lawing, A.M., McGuire, J.L., Reuter, D., Brown, I.‡, Vick, D.‡, Hurtado Materon, M.A., Borstein, S.R. Filling the gap: The macroevolutionary constraints of carnassial blade length in carnivorans. *Royal Society B.* (*In Prep*)

Lamb, S.*, **Siciliano-Martina, L.** Impacts of human land use and environment factors on gray fox (Urocyon cinereoargenteus) morphology. *Journal of Mammalogy*. (*In Prep*)

GRANTS AND FELLOWSHIPS

Awarded Research Grants: Texas State University

2026 **Texas Endangered Species Management Research,** Texas Comptroller "Evaluating the Status and Distribution of Elliot's Short-Tailed Shrew in Texas" **PI: Siciliano-Martina**, Co-PI Castellanos, Co-PI Hennelly; $257,748

2025 **Texas State Research Enhancement Program (REP),** "SmartShell: Deep Learning and 3D Morphometrics for Accurate Identification" **PI: Siciliano-Martina**, Co-PI: Astrid Schwalb; Co-PI: Emily Lorkovic; Co-PI: Mylene Queiroz de Farias; $24,000.

2025 **Aquatic Invasive Species**, Texas Parks and Wildlife Department (TPWD), "Controlling invasive armored catfish: Growth, reproduction, and spearfishing efficacy", **PI: Siciliano-Martina,** Co-PI: Nowlin, Co-PI: Riggins; $91,313

2024 **Ranges Mini-Award**, University of North Carolina Greensboro, "Trait morphology and habitat specializations in kangaroo rat species (Genus *Dipodomys*)", **PI: Siciliano-Martina;** $4,000

Awarded Postdoctoral and Student Research Grants

2023 **NSF-REU (Research Experiences for Undergraduates) Supplement**, NSF-DEB-NERC, Funding for two undergraduate student workers

2021 **Armchair Challenge: Meta-Analysis Publication,** Ecology & Evolutionary Biology Program, Texas A&M University, $1,500

2019 **Student Collections Study Award**, Natural History Museum of Los Angeles County, $750

2019 **Graduate Student Research and Presentation Travel Award**, Office of Graduate and Professional Studies, Texas A&M University, $500

2019 **Travel Award**, American Society of Mammalogists, $500

2018 **Grants-In-Aid of Research**, American Society of Mammalogists, $1,500

2018 **EEB Research Award**, Ecology & Evolutionary Biology Program, Texas A&M University, $1,500

Fellowships

2022 **Postdoctoral Research Assistant,** NSF DEB-NERC, "Vertebrate functional traits as indicators of ecosystem function"

2019 **Graduate Fellowship**, Office of Graduate and Professional Studies (OGAPS), Texas A&M University

GRANTS SUBMITTED (Under Review/Not Awarded)

2025 **NSF DEB-EP (Evolutionary Processes Cluster)**, "Collaborative Research: Dynamics of Lineage Divergence in North American Wolves". **PI Siciliano-Martina,** Co-PI Kienle, Co-PI Sacks, Co-PI Hinton, Co-PI Hennelly; Total requested: $1,361,364; requested for TXST: $610,490. Submitted May 2025; *Under Review*.

2025 **NSF DEB-PCE (Population and Community Ecology Cluster)**, "Collaborative Research: Degradation of trait-environment relationships of mammalian communities across spatiotemporal scales". PI McGuire, Co-PI Siciliano-Martina, Co-PI: Lawing; Total requested: $1,706,167; requested for TXST: $434,126. Submitted May 2025; *Not Awarded.*

2025 **Simons Foundation, Collaborations in Ecology and Evolution (LOI),** "Functional responses to changing climate across biological scales". PI McGuire, **co-PI Siciliano-Martina**, co-PI Lawing, co-PI Song, co-PI Dunn, co-PI Roman Palacios, co-PI Stroud, co-PI Graham, co-PI Hennelly, co-PI Žliobaitė, co-PI: Polly, co-PI Guralnick, co-PI Zimova**.** *Not Awarded.*

2025 **Association of Zoos and Aquariums (AZA), Animal Care and Wellbeing Grants Fund**, "Navigating shared spaces: Behavioral ecology of red kangaroos in an immersive zoo exhibit". **PI: Siciliano-Martina**; Co-PI Inderbitzin; Total requested: 38,158; requested for TXST $38,158, Submitted June 2025; *Not Awarded*.

2024 **Texas State University REP (Research Enhancement Program),** "The role of dietary strategy in captivity-induced trait change". **PI: Siciliano-Martina** Total requested: $8,000. Submitted October 2024; *Not Awarded*.

2024 **NSF BRC-BIO (Building Research Capacity),** "Captive carnivore traits: The commonality and trajectory of morphological changes occurring in captivity and their functional effects". **PI: Siciliano-Martina;** Total requested: $474,479; requested for TXST: Submitted July 2024; *Meritorious ranking*; *Not Awarded*.

2024 **NSF BoCP-BIO (Biodiversity on a Changing Planet),** "Collaborative Research: BoCP-Implementation: Degradation of trait-environment relationships of mammalian communities across spatiotemporal scales". PI McGuire, Co-PI Lawing, **Co-PI: Siciliano-Martina;** Total requested: $2,479,320; requested for TXST: $701,656. Submitted September 2024; *Not Awarded*.

GRADUATE STUDENT GRANTS AND FELLOWSHIPS

Samantha Lamb (MS Student)

2025 Texas State Student Government Scholarship (TSTG), $325
2025 Texas State Tuition Grant Spring ($1,950)
2024 Texas State Tuition Grant (TSTG). $3,900
2024 Texas State Student Government Scholarships. $650
2024 International Education Fee Scholarship. $1,200
2024 American Society of Mammalogists Student Travel Award. $600

Alyssa Arguijo (MS Student)

2025 Denison-Koehn Endowed Scholarship, $1,000
2025 Graduate College Scholarship: College of Science and Engineering, $1,000
2025 Texas State Tuition Grant, $1,750
2025 Graduate Assistant Fellowship, $357
2024 Merrick Merit Fellowship. $3,000
2024 Marty Heaney Memorial Scholarship. $300
2024 Lamar & Marilynn Johanson Graduate Endowment in Biology. $1,994.47
2024 Texas State Tuition Grant. $1,750

Scott Spencer (MS Student)

2025 Graduate Merit Fellowship, $1,286

SPEAKING ENGAGEMENTS

Invited Seminars

2026 Texas State University, Department of Biology. Carnivorans in a changing world: *Trait-environment relationships under ecological disruption*.
2023 Texas State University, Department of Biology. *Trait-environment relationships in disrupted ecosystems.*
2023 University of Akron, Department of Biology. *Trait-environment relationships in disrupted ecosystems.*
2022 Arizona State University, School of Mathematical and Natural Sciences. *Functional morphology across environmental gradients.*
2022 Texas A&M University, Department of Ecology and Conservation Biology. *Covariation of functional morphology and the environment*.
2022 Angelo State University, Department of Biology. *Functional morphology and conservation science*.

Contributed talks

Presenting Speaker, ‡ Mentored undergraduate, *Mentored graduate student, +Award Received

2026 Cunningham, P.*, **Siciliano-Martina, L.,** Hinton, J., Kienle, S. New methods and old skulls. A morphological reassessment of Canis in eastern North America toward clarifying evolutionary relationships. International Wolf Symposium, Minneapolis, MN.
2026 Wood, K.*, **Siciliano-Martina, L.** The effects of soil substrate on kangaroo rat forelimb morphology. Christmas Mountains Research Symposium, Brewster County, TX.
2026 Patterson, A.‡, Spencer, S.*, **Siciliano-Martina, L.** Behavioral effects of temperature on captive African lions. Texas State University Undergraduate Research Conference, San Marcos, TX.
2026 Sotiriades, A.*, **Siciliano-Martina, L.,** Castro-Arellano, I. Temporal niche conservatism in gray foxes (*Urocyon cinereoargenteus*). Ecological Integration Symposium, College Station, TX.

2026 Hurtado-Materon, M.A., **Siciliano-Martina, L.,** Raj, A., Short, R.A., Muller, J., Manthi, F.K., Head, J., McGuire, J.L., Lawing, A.M. Calcaneal gear ratio in small mammals is associated with vegetation cover and temperature. Ecological Integration Symposium, College Station, TX.

2026 Arguijo, A.*+, **Siciliano-Martina, L.** Built to bite: How captivity shapes the morphology and bite force of red wolves (*Canis rufus*). Texas State University Biology Colloquium, San Marcos, TX.

2026 McGuire, J., Lawing, A.M., Polly, P.D., Short, R.A., **Siciliano-Martina, L.,** Hurtado Materon, M.A., Kemp, M., Schap, J. Ecometrics: Frontiers for Identifying Community Responses to Global Change. The International Biogeography Society (TIBS), Aarhus, Denmark.

2025 Lamb, S.*, **Siciliano-Martina, L.** A comparison of gray fox (*Urocyon cinereoargenteus*) seasonal food habits between urban and non-urban landscapes). International Congress for Conservation Biology (ICCB), Brisbane, Australia.

2024 **Siciliano-Martina, L.,** Herod, M., Martina, J.P. Stressing the grass: Changes in the leaf symmetry of an invasive plant in response to light levels. Ecological Society of America, Long Beach, CA.

2024 **Siciliano-Martina, L.,** McGuire, J.L., Shipley, B.R., Short, R.A., Hurtado-Materon, M.A., Müller, J., Head J.J., Lawing, A.M. Community-wide trends in carnivoran carnassial morphology as an indicator of ecosystem disruption over time. American Society of Mammalogists, Boulder, CO.

2024 McGuire, J.L., Lauer, D.A., Schap, J.A., Short, R.A., Head, J.J., Muller, J., Manthi, F.K., **Siciliano-Martina, L**., Lawing, A.M. Pleistocene Disruption of Trait-Environment Relationships Informs the Future Conservation of African Megafauna. North American Paleontological Conference, Ann Arbor, MI.

2023 **Siciliano-Martina, L.,** McGuire, J., Lawing, A.M. Carnivoran dietary traits as an ecometric to evaluate ecosystem disruption. American Society of Mammalogists, Anchorage, AK.

2023 Light, J.E., Craft, B., Ellis, H., Greenbaum, I., Hamilton, N., **Siciliano-Martina, L.,** Jansa, S. Leveraging natural history collections to understand rodent diversity and distributions in a changing world. American Society of Mammalogists, Anchorage, AK.

2023 Lawing, A.M., Hurtado Materon, M.A., Lauer, D., Mutinda, C., Roberts, L., Schap, J., **Siciliano-Martina, L.,** Pineda Munoz, S., Mueller, J., Short, R., Manthi, F., Head, J., McGuire, J. A new view: Multidimensional and time transgressive approaches to ecometrics. International Union for Quaternary Research, Rome, Italy.

2022 **Siciliano-Martina, L.,** Veech, J.A. Forelimb specialization as an adaptation for burrowing in kangaroo rats (Genus *Dipodomys*). American Society of Mammalogists (virtual).

2021 **Siciliano-Martina, L.,** Light, J.E., Riley, D.G., Lawing, A.M. Morphological effects and conservation implications of captivity in Mexican wolves. Evolution (virtual).

2021 **Siciliano-Martina, L.,** Light, J.E., Lawing, A.M. Changes in canid cranial morphology induced by captivity and conservation implications. American Society of Mammalogists (virtual).

2019 **Siciliano-Martina, L.,** Light, J.E., Lawing, A.M. Morphological impacts of captivity: A meta-analysis. American Society of Mammalogists. Washington, D.C.

2019 **Siciliano-Martina, L.,** Light, J.E., Lawing, A.M. Unintended morphological impacts of captivity in Mexican wolves (*Canis lupus baileyi*). Ecological Integration Symposium, Texas A&M University.

2019 **Siciliano-Martina, L.** +**,** Light, J.E., Lawing, A.M. Unintended morphological impacts of captivity in Mexican wolves (*Canis lupus baileyi*). Student Research Week, Texas A&M University.

2018 **Siciliano-Martina, L.,** Light, J.E., Lawing, A.M. Cranial morphology of captive Mexican wolves (*Canis lupus baileyi*). American Society of Mammalogists, Kansas State University, Manhattan, KS.

2017 **Siciliano-Martina, L.,** Meik, J.M., Lawing, A.M. Craniodental integration and facial length in domestic dogs. American Society of Mammalogists, University of Idaho, Moscow, ID.

2017 **Siciliano-Martina, L.** + Behavioral consequences of maternal deprivation in captive giraffes *(Giraffa camelopardalis).* Ecological Integration Symposium, Texas A&M University.

2015 **Siciliano-Martina, L.,** Rabeler, R., Gilbert, E. Efficient use of an online museum collections database network (Symbiota). iDigBio Small Collections Network

Contributed posters

Presenting Speaker, ‡Mentored undergraduate; *Mentored graduate student, +Award Received

2026 **Siciliano-Martina, L.,** Cunningham, P.*, Lamb, S.*, Hennelly, L. Continuous morphological variation structured by lineage in gray foxes (*Urocyon cinereoargenteus*). Poster presented at the American Society of Mammalogists Annual Meeting. Norfolk, VA.

2026 Poe, F.‡, Klyn, S.‡, **Siciliano-Martina, L.,** McGarrity, M., Riggins, C. Controlling invasive armored catfish: Growth, reproduction, and spearfishing efficacy. American Fisheries Society, Galveston, TX.

2026 Klyn, S.*+, Poe, F. ‡, **Siciliano-Martina, L.,** McGarrity, M., Riggins, C. Growth assessment of suckermouth armored catfish (*Hypostomus* spp.) to improve management in the San Marcos River. Texas State University Biology Colloquium, San Marcos, TX.

2026 Poe, F.‡, Klyn, S.‡, McGarrity, M., **Siciliano-Martina, L.,** Riggins, C. Visible Implant Elastomer (VIE) mark efficacy in suckermouth armored catfish. Texas State University Biology Colloquium, San Marcos, TX.

2026 Spencer, S.*, **Siciliano-Martina, L.** Impacts of captivity on bone density and locomotion on Mexican gray wolves (*Canis lupus baileyi*). Texas Society of Mammalogists, Junction, TX.

2026 Spencer, S.*, **Siciliano-Martina, L.** Impacts of captivity on bone density and locomotion on Mexican gray wolves (*Canis lupus baileyi*). Texas State University Biology Colloquium, San Marcos, TX.

2026 Bushell, M.*, **Siciliano-Martina, L.** Shifts in body mass in modern and fossil jaguar, *Panthera onca*, with comments on various body mass estimate regression. Texas State University Biology Colloquium, San Marcos, TX.

2026 Sotiriades, A.*, **Siciliano-Martina, L.,** Castro, I. Temporal niche conservatism in gray foxes (*Urocyon cinereoargenteus*). Ecological Integration Symposium, College Station, TX.

2025 **Siciliano-Martina, L**., McGuire, J.L., Shipley, B.R., Short, R.A., Hurtado-Materon, A.M., Muller, J., Head, J.J., Lawing, A.M. Community-wide trends in carnivoran carnassial morphology as an indicator of ecosystem disruption over time. International Congress for Conservation Biology (ICCB), Brisbane, Australia.

2025 Arguijo, A.*, Moreno, J.‡, **Siciliano-Martina, L**. Built to bite: How captivity shapes the morphology and bite force of red wolves (*Canis rufus*). International Congress for Conservation Biology (ICCB), Brisbane, Australia.

2025 Moreno, J. ‡, Arguijo, A.*, **Siciliano-Martina, L**. The effects of captivity on red wolf morphology and bite force. American Society of Mammalogists. West Lafayette, IN

2025 Arguijo, A.*+, **Siciliano-Martina, L**. Unraveling the mechanisms of morphological change in captive red wolves (*Canis rufus*). Texas Society of Mammalogists. Junction, TX.

2025 Lamb, S.L.*, **Siciliano-Martina, L**. A comparison of gray fox (*Urocyon cinereoargenteus*) seasonal habits between urban and rural landscapes. Texas Society of Mammalogists. Junction, TX.

2025 Arguijo, A.*+, **Siciliano-Martina, L**. Unraveling the mechanisms of morphological change in captive red wolves (*Canis rufus*). Biology Department Colloquium, Texas State University, San Marcos, TX.

2025 Arguijo, A.*, **Siciliano-Martina, L**. Unraveling the mechanisms of morphological change in captive red wolves (*Canis rufus*). 2025 TXST STEM Conference, Texas State University, San Marcos, TX.

2025 Arguijo, A.*, **Siciliano-Martina, L**. Unraveling the mechanisms of morphological change in captive red wolves (*Canis rufus*). Graduate Student Research Conference, Texas State University, San Marcos, TX.

2025 Moreno, J.‡, Arguijo, A.*, **Siciliano-Martina, L**. The effects of captivity on red wolf morphology and bite force. Biology Department Colloquium, Texas State University, San Marcos, TX.

2025 Moreno, J.‡, Arguijo, A.*, **Siciliano-Martina, L**. The effects of captivity on red wolf morphology and bite force. 2025 TXST STEM Conference, Texas State University, San Marcos, TX.

2024 Lamb, S.L.*, **Siciliano-Martina, L.** Morphological variation of gray fox (*Urocyon cinereoargenteus*) skulls across time. American Society of Mammalogists, Boulder, CO.

2024 C.P. Bruce*, **Siciliano-Martina, L.**, A.M. Lawing, McGuire, J.L., Schap, J.A., Hurtado Materon, M.A., Short, R.A. Ecometric model for body mass and temperature within global carnivoran communities. American Society of Mammalogists, Boulder, CO.

2024 C.P. Bruce*, **Siciliano-Martina, L.**, A.M. Lawing, McGuire, J.L., Schap, J.A., Hurtado Materon, M.A., Short, R.A. Ecometric model for body mass and temperature within global carnivoran communities. North American Paleontological Conference, Ann Arbor, MI.

2024 A.M. Lawing, Hurtado Materon, M.A., **Siciliano-Martina, L.**, Short, R.A, Lauer, D.A., Schap, J.A., Bruce, C., Pineda-Munoz, S., Muller, J., Manthi, F.K., Head, J.J., McGuire, J.L. Broadening participation in ecometrics research: An initiative to expand the collection of functional trait data. International Biogeography Society, Prague, Czech Republic.

2024 Vick, D.‡+, Brown, I.‡, Clarke‡, T., Lawing, A.M., **Siciliano-Martina, L.** Carnassial relative blade length (RBL) as an indicator of carnivoran dietary ecology. Texas Society of Mammalogists, Junction, TX.

2024 Lamb, S.L.*, **Siciliano-Martina, L.** Morphological variation of gray fox (*Urocyon cinereoargenteus*) skulls across time. Texas Society of Mammalogists, Junction, TX.

2023 Brown, I.‡, Clarke, T.‡, Vick, D.‡, Lawing, A.M., **Siciliano-Martina, L.** Carnassial relative blade length (RBL) as an indicator of carnivoran dietary ecology. Society of Vertebrate Paleontology, Cincinnati, OH.

2023 Brown, I.‡+, Clarke, T.‡, Vick, D.‡, Lawing, A.M., **Siciliano-Martina, L.** Carnassial relative blade length (RBL) as an indicator of carnivoran dietary ecology. Geology and Geophysics Graduate Student Council Symposium, Texas A&M University, College Station, TX.

2023 Brown, I.‡, Clarke, T.‡, Vick, D.‡, Lawing, A.M., **Siciliano-Martina, L.** Carnassial relative blade length (RBL) as an indicator of carnivoran dietary ecology. Ecological Integration Symposium, Texas A&M University, College Station, TX.

2019 Dohnalik, E.G.‡, Vielleux, G.‡, **Siciliano-Martina, L.,** Greenbaum, I.F., Light, J.E. Morphological differentiation and identification of Peromyscus leucopus and P. maniculatus in East Texas. American Society of Mammalogists, Washington, D.C.

2018 **Siciliano-Martina, L.,** Greenbaum, I.F., Casillas, M., Lawing, A.M., Light, J.E. Exploring the distribution of Peromyscus maniculatus in south Texas. American Society of Mammalogists, Kansas State University, Manhattan, KS.

2018 **Siciliano-Martina, L.+,** Greenbaum, I.F., Casillas, M., Lawing, A.M., Light, J.E. Exploring the distribution of Peromyscus maniculatus in south Texas. Ecological Integration Symposium, Texas A&M University, College Station, TX.

2018 **Siciliano-Martina, L.,** Greenbaum, I.F., Casillas, M., Lawing, A.M., Light, J.E. Exploring the distribution of Peromyscus maniculatus in south Texas. Student Research Week, Texas A&M University, College Station, TX.

2018 **Siciliano-Martina, L.+,** Greenbaum, I.F., Casillas, M., Lawing, A.M., Light, J.E. Exploring the distribution of Peromyscus maniculatus in south Texas. Texas Society of Mammalogists, Junction, TX.

2012 Abraczinskas, L.M., **Siciliano, L.,** Lundrigan, B.L. Detecting arsenic in vertebrate specimens at the Michigan State University Museum with a handheld x-ray fluorescence (XRF) analyzer. Society for the Preservation of Natural History Collections, New Haven, CT.

2011 **Siciliano, L.** Survey results: Causes and consequences of maternal deprivation in captive giraffes. Association of Zoos and Aquariums, Atlanta, GA.

2010 **Siciliano, L.** Consequences of maternal rejection in captive giraffes. Association of Zoos and Aquariums, Houston, TX.

Guest lectures

2019 General Mammalogy, Department of Wildlife and Fisheries Sciences, Texas A&M University. *Fur, hair, and integument*.

2012 Museum Studies, Department of Zoology, Michigan State University. *Current research in natural history museums*.

2011 Preview of Zoology, Department of Zoology, Michigan State University. *Research activities in the modern zoological garden*.

HONORS AND AWARDS

2019 1st Place Graduate Student Oral Presentation, Student Research Week, Texas A&M University, College Station, TX

2018 1st Place Graduate Poster Presentation, Ecological Integration Symposium, Texas A&M University, College Station, TX

2018 1st Place Poster, Texas Society of Mammalogists, Junction, TX

2017 1st Place Graduate Student Talk, Ecological Integration Symposium, Texas A&M University, College Station, TX

MENTORED STUDENT HONORS AND AWARDS

‡Mentored undergraduate; *Mentored graduate student)

2026 Alyssa Arguijo*, Best Master's Student Oral Presentation, Biology Colloquium, Texas State University, San Marcos, TX

2026 Sarah Klyn*, Best Graduate Student Poster, Biology Colloquium, Texas State University, San Marcos, TX

2025 Alyssa Arguijo*: Clyde Jones Award for Best Graduate Student Poster, Texas Society of Mammalogists, Junction, TX

2025 Alyssa Arguijo*: Best Master's Student Poster, Biology Colloquium, Texas State University, San Marcos, TX

2024 Duncan Vick‡: Clyde Jones Undergraduate Award, 1st Place Undergraduate Poster, Texas Society of Mammalogists, Junction, TX

2023 Isaac Brown‡: 1st Place Undergraduate Student Poster and Highest Ranked Presentation Overall, Geology and Geophysics Graduate Student Council Symposium, Texas A&M University, College Station, TX

STUDENTS TRAINED

Graduate Students (total = 8)

2026-Present Phoenix Cardillo, TXST, Biology (MS)
2026-Present Anna Sotiriades (Ivan Castro co-advisor), TXST, Wildlife Ecology (MS)
2026-Present Sarah Klyn, TXST, Aquatic Resources (MS)
2025-Present Kennedy Wood, TXST, Wildlife Ecology (MS)
2025-Present Scott Spencer, TXST, Wildlife Ecology (MS)
2024-Present Matthew Bushell, TXST, Aquatic Resources & Integrative Biology (PhD)
2024-Present Alyssa Arguijo, TXST, Wildlife Ecology (MS)
2023-2025 Samantha Lamb, TXST, Wildlife Ecology (MS): *Graduated Fall 2025*

Graduate Student Committees

Texas State University, Department of Biology, Non-Thesis (MS) (total = 3)

2026-Present Phoenix Cardillo (Chair)
2026-2026 Tate Taylor (Exam Committee; Chair: Dr. Joe Veech)
2025-2025 Cassidy Regan (Exam Committee; Chair: Dr. Kristy Daniel)

Texas State University, Department of Biology, Aquatic Resources (MS) (total = 1)

2026-Present Sarah Klyn (Committee Chair)

Texas State University, Department of Biology, Wildlife Ecology (MS) (total = 12)

2026-Present Smolen, Andrew (Chair: Dr. Sarah Fritts)
2026-Present Matt Wojtowicz (Chair: Dr. Michael Forstner)
2026-Present Anna Sotiriades (Co-Chair with Dr. Ivan Castro)
2025-Present Alexandra Lofland (Chair: Dr. Ivan Castro)
2025-Present Kennedy Wood (Chair)
2025-Present Scott Spencer (Chair)
2024-Present Alyssa Arguijo (Chair)
2024-2025 Carly Naundorff (Chair: Dr. Sarah Fritts): *Graduated Fall 2025*
2023-2025 Samantha Lamb (Chair): *Graduated Fall 2025*
2023-2025 Brier Klossing (Chair: Dr. Ivan Castro): *Graduated Spring 2025*
2023-2024 Shelby Bork (Chair: Dr. Chris Serenari): *Graduated Spring 2024*
2023-2026 Sarah Khayyatzadeh (Chair: Dr. Joe Veech) *Graduated Spring 2026*

Texas State University, Aquatic Resources & Integrative Biology (PhD) (total = 10)

2025-Present Carolyn Jess (Chair: Dr. Kristy Daniel)
2025-Present Namrata Bhandari (Chair: Dr. Ivan Castro)
2025-Present Tatiana Velasquez Roa (Chair: Dr. Ivan Castro)
2025-Present Maya Folkes (Chair: Dr. Joseph Veech)

2025-Present Ferris Zughaiyir (Chair: Dr. Michael Forstner)
2025-Present Kaushal Yadav (Chair: Dr. Chris Serenari)
2024-Present Matthew Bushell (Committee Chair)
2024-Present Indra Acharja (Chair: Dr. Clay Green)
2024-Present Jill Zipperer (Chair: Dr. Kristy Daniel)
2023-2025 Abigail Meeks (Chair: Dr. Chris Serenari): *Graduated Spring 2025*

Undergraduate Students (total = 21; § coauthored a manuscript; n = 8)
2025-Present Faith Poe; Texas State University
2026-Present Amanda Abels; Texas State University
2026-Present Sarah Schlappe; Texas State University
2025-2025 Dani Brown; Texas State University
2025-2025 Jojo Garcia; Texas State University
2025-Present Catie Ritchey; Texas State University
2025-2025 Sam Dunphy-Miller; Texas State University
2025-2025 Sarah Klyn; Texas State University
2025-2025 Morgan Moltz; Texas State University
2024-2025 Julian Moreno; Texas State University
2024-2025 Gwyn Boyden; Texas State University§
2024-2025 Jayce Hazell; Texas State University§
2022-2026 Isaac Brown; Texas A&M University§
2022-2025 Duncan Vick; Texas A&M University§
2022-2025 Marina Salel; Texas A&M University§
2022-2025 Triniti Clarke; Texas A&M University§
2022-2022 Subarna Mandel; Texas A&M University
2022-2022 Lemon Lynch; Texas A&M University
2017-2022 Grace Vielleux; Texas A&M University§
2017-2022 Emma Dohnalik; Texas A&M University§

TEACHING EXPERIENCE

Assistant Professor
Texas State University, San Marcos, TX
2024-Present Principles of Zoo Management
2023-Present Natural History of Vertebrates

Adjunct Instructor
Our Lady of the Lake University, San Antonio, TX
2016 - 2017 Introduction to Evolution, lecture (online)
2014 - 2016 Introduction to Life Sciences, lecture and lab
2014 – 2015 General Biology II, lecture and lab

Graduate Teaching Assistant
Texas A&M University, College Station, TX
2019 Natural History of Vertebrates, lab
2017 - 2018 Fundamentals of Ecology, lecture
2017 Advanced GIS for Resources Management, online lecture and lab
2017 Introduction to GIS, online lecture and lab
2016 Natural History of Invertebrates, lab
Michigan State University, East Lansing, MI

2011 Biology of Mammals, lab
2010 – 2011 Cell & Molecular Biology, lab

JOURNAL ARTICLE REVIEWS

2026 Journal of Mammalogy
2025 Zoological Journal of the Linnean Society
2024 Royal Society Open Science
2024 Journal of Mammalogy
2024 Archaeological and Anthropological Sciences
2023 Scientific Reports (2x)
2022 Journal of Mammalogy
2022 Anatomia, Histologia, Embryologia
2021 American Midland Naturalist
2021 Primates
2021 Integrative Organismal Biology

PROFESSIONAL ORGANIZATIONS

2021 – Present Ecological Society of America
2017 – Present Society for the Study of Evolution
2017 – Present American Society of Mammalogists
2017 – Present Texas Society of Mammalogists
2011 – Present Society for the Preservation of Natural History Collections
2009 – Present Association of Zoos and Aquariums

SERVICE ACTIVITIES

Special Committees

2025- Present Curator of Vertebrate Natural History Collections, Texas State University
2024 - 2026 Biology Department Hiring Committee: Assistant Professor – Wildlife Ecology
2023 - Present Environmental Services Committee; Texas State University

Individual Activities

2026 Undergraduate Research Conference; Wildlife Ecology Session Chair; TXST
2025 Grant panel: Graduate Research Fellowship Program (GRFP), NSF
2025 Grant panel: J. Mary Taylor Grant, American Society of Mammalogists
2024 - 2026 Conference Judge: Graduate and undergraduate student posters and oral presentations, Biology Colloquium; TXST
2024 Undergraduate Research Conference; Texas State University; Wildlife Ecology Session Chair
2023 Volunteer: Darwin Day, Texas A&M University
2023 Grant panel: Rising Undergraduates in Mammalogy, American Society of Mammalogists
2023 - 2024 Conference Judge: Graduate student posters and oral presentations, American Society of Mammalogists
2022 - 2023 Conference Judge: Undergraduate and graduate posters and oral presentations, Texas Society of Mammalogists
2022 Planning committee: Community events, IMC-13 international conference
2018 – 2020 Planning committee: Darwin Day, Texas A&M University
2017 – 2020 Volunteer: Biodiversity Research & Teaching Collections, Texas A&M University
2012 – 2014 Volunteer: University of Michigan Museum
2011 Volunteer: Michigan State University. Mist netting and measuring birds

2011 – 2012	Volunteer: Michigan State University Museum
2011 – 2013	Volunteer: Darwin Discovery Day, Michigan State University Museum
2010	Volunteer: Wildlife Response Center, Marshall, MI. Wildlife rehabilitation from Kalamazoo River oil spill

SPECIAL TRAINING AND CERTIFICATIONS

2025	*Center for Improvement of Mentored Experiences in Research (CIMER)*, Texas State University. Training workshop for graduate student mentorship.
2023	*Aggies Research Program Leadership Certification*, Texas A&M University. Mentored and trained a team of undergraduate researchers and participated in the leadership training program
2010	*Business Management Certification*, Michigan State University
2008	*Bad Rap Training*, Oakland, CA. Rehabilitation training for abused pit bulls