LISANNE S. PETRACCA, PH.D.

Assistant Professor of Carnivore Ecology
Caesar Kleberg Wildlife Research Institute and Texas A&M - Kingsville
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Research interests: Carnivore ecology; Quantitative ecology; Geospatial analysis; Threatened species conservation

EDUCATION

State University of New York College of Environmental Science and Forestry, Syracuse, NY
PH.D. IN ECOLOGY, December 2018
GPA: 4.0 of 4.0
Dissertation title: Spatial and behavioral ecology of large carnivores at the human-wildlife interface: Insights for species conservation within and between protected areas
Academic advisor: Dr. Jacqueline Frair

Duke University, Nicholas School of the Environment, Durham, NC
MASTER OF ENVIRONMENTAL MANAGEMENT, May 2010
Certificate of Geospatial Analysis
Certificate of International Development Policy
GPA: 3.87 of 4.0
Concentration: Ecosystem science and conservation
Thesis: Use of site occupancy modeling to delineate a jaguar corridor in southern Belize
Academic advisor: Dr. Dean Urban

Tufts University, School of Arts and Sciences, Medford, MA
BACHELOR OF SCIENCE, *summa cum laude and high thesis honors*, May 2006
GPA: 3.84 of 4.0
Triple major: Environmental studies, Psychology, Biomedical engineering systems
Thesis: The emotional modulation of memory
Academic advisor: Dr. Lisa Shin

RESEARCH AND SCHOLARLY ACTIVITIES

FUNDED GRANTS (Total: $16,582,309.58)

Petracca, L.S., Smith, M.M., DeYoung, R.W., Cherry, M.J., Hewitt, D.G., Veals Dutt, A.M., and L.A. Harveson. 2026. Spatially explicit data integration to inform mountain lion distribution and demography in Val Verde County. Texas Department of Parks and Wildlife. **$1,241,343**

Petracca, L.S. 2026. Texas Lion Project. Panthera. **$30,000**

Smith, M.M., and **L.S. Petracca**. 2026. The legacy of human land-use and the effect on the recovery of ocelots in an imperiled semi-arid ecoregion. National Geographic Society. **$19,283**

Helferich, J.N. and **L.S. Petracca.** 2025. Ocelot Density Estimation in South Texas Using Spatially Explicit and Genetic Capture-Recapture. Rob & Bessie Welder Wildlife Foundation. **$74,400**

Petracca, L.S. 2025. Promoting Ocelot Conservation through Research on East Foundation Ranches. East Foundation. **$43,350**

Turner, R.K., and **L.S. Petracca.** 2025. Impacts of Linear Infrastructure on Mammal Communities in South Texas and Potential Mitigation Strategies. Rob & Bessie Welder Wildlife Foundation. **$24,000**

Hansen, K.W., Cherry, M.J., DeYoung, R.W., Foley, A.M., and **L.S. Petracca**. 2025. Landscape-Level Experiment Testing Habitat Management Strategies on White-Tailed Deer Performance. East Foundation. **$91,887**

Petracca, L.S. and C.M. Nouzille. 2025. Mountain Lion Abundance and Foraging Ecology in South Texas. The Coastal Bend Community Foundation and Rotary Club of Corpus Christi. **$10,000**

Cherry, M.J., Hilton, C.D., and **L.S. Petracca**. 2024. Evaluating the Effects of Type and Timing of Nutritional Supplementation on White-Tailed Deer Recruitment. Stedman West Foundation. **$587,988**

Cherry, M.J., DeYoung, R.W., Foley, A.M., and **L.S. Petracca**. 2024. Using Remote Cameras to Monitor and Investigate Wildlife Populations and Community Dynamics. East Foundation. **$321,015**

Petracca, L.S. and C.M. Nouzille. 2024. Mountain lion ecology and management in the context of the US-MX border barrier system. Fort Worth Zoological Park. **$5,000**

Petracca L.S., Hewitt, D., DeYoung, R., Hilton, C., Martin, A., Tewes, M., et al. 2023. South Texas Endangered Ocelot Protection and Recovery Services**.** United States Fish and Wildlife Service. **$12,214,430.47**

Petracca, L.S., Cherry, M., DeYoung, R., Heffelfinger, L., Hewitt, D., Hilton, C., et al. 2023. Assessing and mitigating potential ecological impacts to large mammals from border barrier system construction and installation in South Texas, USA. United States Fish and Wildlife Service. **$1,752,467.11**

Petracca, L.S. 2023. Promoting Ocelot Conservation Through Research on East Foundation Ranches. East Foundation. **$123,796**

EMPLOYMENT

Assistant Professor Jan 2023 – Present	**Caesar Kleberg Wildlife Research Institute and Texas A&M – Kingsville,** Kingsville, TX Assistant Professor of Carnivore Ecology in the Department of Rangeland and Wildlife Sciences, with a focus on ocelot and mountain lion populations in Texas, USA. Research interests include reintroduction science, movement and behavioral ecology, population parameter estimation, resource selection, intraguild interactions, habitat restoration, and genomic applications for carnivore populations.
Postdoctoral Scholar June 2020 – Dec 2022	**University of Washington and Washington Cooperative Fish and Wildlife Research Unit,** Seattle, WA Analytical lead for the development of a spatially explicit projection model to assess grey wolf population dynamics in Washington State. Research goals include the estimation of demographic rates (survival, recruitment, dispersal), development of simulation scenarios to evaluate the effects of wolf management in Washington, and assessment of progress toward population recovery. Done in collaboration with the Washington Department of Fish and Wildlife (WDFW). A second project, in collaboration with US Fish and Wildlife Service (USFWS), focused on the optimization of tufted puffin monitoring across their North American range.
Roosevelt Postdoctoral Scholar Jan 2020 – May 2020	**SUNY-ESF**, Syracuse, NY Served as the spatial ecology project lead for the Roosevelt Wild Life Research Station. Main focus was the analysis of bat habitat use surrounding the Silver Mountain Hibernaculum (Upper Peninsula, Michigan) during spring emergence and fall swarm as it related to the management of white-nose syndrome. Done in collaboration with the US Forest Service. Additional collaboration on mammal space use and ecology with the Wildlife Conservation Society (WCS).
Conservation Scientist Jan 2019 – Dec 2019	**Panthera**, New York, NY Specialized in the statistical analysis of spatial data in both Bayesian and Maximum Likelihood frameworks to inform felid conservation efforts, with a focus on advanced occupancy modeling. Additional analyses included Resource Selection Functions (RSF), Step Selection

	Functions (SSF), generalized linear mixed models (GLMMs), and applications of survival and connectivity models.
Geospatial Analyst Nov 2010 – Dec 2018	**Panthera**, New York, NY Primary responsibility is the statistical analysis of ecological data to model felid presence and distribution. Additional projects for Panthera's Jaguar, Lion, Tiger, and Snow Leopard Programs include increasing the capacity of our field staff via in-country GIS and statistical workshops, classifying land cover imagery and assessing landscape change in project sites, managing telemetry data, and creating publication-quality maps and GIS layers for Panthera staff and collaborators (IUCN, National Geographic).
Wilderness Fellow Aug 2010 – Oct 2010	**National Park Service**, Harrison, AR Selected by the National Park Service to devise a Wilderness Stewardship Plan for Buffalo National River, Arkansas. Responsibilities included defining the wilderness character of the area and engaging park staff in the tenets of wilderness management. Founded "Marshalls to Mountains Day," an initiative that raised nearly $2,500 to bring 90 at-risk Marshall Islander youth from Springdale, AR to the Buffalo River.
Graduate Researcher July 2010 – Aug 2010	**Big Cats Initiative (BCI)**, Tete Province, Mozambique Collaborated with PI Rudi van Aarde at the Conservation Ecology Research Unit, University of Pretoria, to assess the population status of lions in Tete Province, Mozambique. Research team received a $20,000 grant from National Geographic to conduct a lion survey via community-based interviews and callback stations. Co-authored the interview protocol, conducted local interviews, and performed statistical analysis on interview data.
Jaguar Corridor Initiative Project Manager May 2010 – July 2010	**Panthera**, Belmopan, Belize Managed a research team to verify the presence of jaguar and six jaguar prey species. Data collected from interviews with 90 hunters and farmers were analyzed in a site occupancy framework to identify the Central Belize Jaguar Corridor. This corridor has since been incorporated in the country's protected areas system.
Graduate Researcher Jan 2010 – May 2010	**Big Cats Initiative (BCI)**, Duke University, Durham, NC Served on a team of graduate students that produced cutting-edge maps of current lion distribution and areas of high conservation concern. Maps used strategically by PI Dr. Stuart Pimm to reinforce the immediacy of lion conservation efforts.
Jaguar Corridor Initiative Project Manager Jun 2009 – Aug 2009	**Panthera**, Punta Gorda, Belize Managed a research team that conducted 184 interviews with hunters and farmers in 38 villages to determine the population status of jaguar and seven jaguar prey species. Data analyzed via site occupancy modeling to identify the Southern Belize Jaguar Corridor.
Co-Coordinator, Student International Discussion Group Sep 2008 – May 2009	**Nicholas School of the Environment**, Duke University, Durham, NC Successfully fundraised close to $18,000 while managing a graduate student group focused on global environmental issues. Skillfully organized all aspects of a symposium attended by 200 people, with keynote speaker Dr. Carl Safina and representatives from the WWF, The Nature Conservancy, and the Rockefeller Foundation.
High School Science Instructor Aug 2007 – May 2008	**Marshall Islands Ministry of Education**, Majuro, Marshall Islands Designed the first science curriculum at a high school for at-risk Pacific island youth. Effectively directed all classroom activities and laboratory exercises for 91 students in the 11th and 12th grades.
Primary School English Instructor July 2006 – May 2007	**Marshall Islands Ministry of Education**, Namdrik Atoll, Marshall Islands Served as the only non-native on the remote outer atoll of Namdrik. Instructed English as a Second Language (ESL) classes to 96 children in grades K-8. Overcame a lack of resources to conduct novel lesson plans in the Marshallese and English languages.

COURSES TAUGHT

RWSC 3390: Endangered Species Conservation. Texas A&M University – Kingsville. **Fall (2023 – present).** Course Creator and Instructor. Upper-level undergraduate course focusing on application of critical thinking skills to endangered species conservation. Course utilizes student-centered and student-led learning, using class debates, group presentations, and discussion forums to explore topics including the Endangered Species Act, species recovery plans, threats to and opportunities for endangered species, and quantitative and qualitative techniques to guide endangered species management.

WSCI 6390: Population Parameter Estimation. Texas A&M University – Kingsville. **Spring, even years (2024 – present).** Course Creator and Instructor. Graduate course focusing on a variety of statistical models that are most commonly employed in ecology. The first half of the course is taught in a maximum likelihood framework and focuses on linear models (e.g., ANOVA and regression), models that assume non-normal error distributions (e.g., logistic, Poisson, gamma regression), and models with multiple random terms (e.g., mixed models). The second half of the course focuses on capture-recapture modeling, a foundational class of models for estimation of demographic parameters. This part of the course is implemented in a Bayesian framework in JAGS.

EFB 298: Research Assistantship. State University of New York College of Environmental Science and Forestry. Spring and Fall 2020. Course Creator and Instructor. Led a research team of nine undergraduate students in establishing baseline estimates of felid densities globally. Instructed students on mark-recapture analysis (spatially explicit and otherwise), non-invasive monitoring tools, building spatial databases with Geographic Information Systems (GIS) software, and how to critically read peer-reviewed literature.

EFB 797 (3): Foraging and Movement Ecology. State University of New York College of Environmental Science and Forestry. Fall 2016. Course Creator and Co-Instructor. Developed graduate-level seminar to explore the theoretical basis of foraging ecology. Course material was based upon *Foraging Theory* (1986) by Stephens and Krebs and *Foraging Behavior and Ecology* (2007) by Stephens et al. Topics included optimal foraging theory, the basic prey and patch models, and newer developments such as signal detection theory, spatial memory and learning, "post-kill" phenomena, the landscape of fear, and the application of game theory to social foraging.

EFB 797 (11): Mixed Effects Models in R. State University of New York College of Environmental Science and Forestry. Spring 2016. Course Creator and Co-Instructor. Developed graduate-level seminar in mixed effects modeling. Course material was derived from *Mixed Effects Models and Extensions in Ecology with R* (2009) by Zuur et al. and included Generalized Additive Models (GAM), the linear mixed effects model, temporal and spatial autocorrelation, zero-truncated and zero-inflated models, Generalized Estimation Equations (GEE), and Generalized Linear and Additive Mixed Models (GLMM/GAMM).

EFB 496 (01): Wildlife Field Techniques. State University of New York College of Environmental Science and Forestry. Summer 2015. Graduate Teaching Assistant. Assisted in instruction of field-based undergraduate course in wildlife field methods. Techniques included radiotelemetry, small mammal trapping, non-invasive sampling with camera traps and track plots, grassland bird surveys, and vegetation sampling.

ENVIRON 214: Landscape Ecology. Nicholas School of the Environment at Duke University. Fall 2009. Graduate Teaching Assistant. Assisted professor in instruction of graduate course covering agents of landscape pattern (physical template, biotic processes and disturbance regimes), scaling techniques, and implications of pattern (metapopulations, communities and biodiversity, and ecosystem processes). Graded course assignments and assisted students with conceptual understanding.

INSTRUCTED WORKSHOPS

Petracca, L.S., Helferich, J.H., and V.L. Locke**.** 2026. Co-led two-day workshop with Tyler Murray-Ramcharan, Principal Investigator of the Trinidad and Tobago Ocelot Project. Sections of workshop led by SPEC Lab team included collection and application of ocelot data in South Texas, analysis of data from camera traps in a spatially explicit capture-recapture framework, live trapping of ocelots, and sedation and GPS collaring of ocelots. Workshop was attended by ~30 wildlife students and professionals from Trinidad and Tobago. Held in Brasso Seco Village, Trinidad.

Petracca, L.S. and SPEC Lab team**.** 2025. Geospatial Analysis in R. Full-day workshop covering (1) the basics of geospatial data and use of spatial data in R, (2) manipulation and analysis of vector and raster data, (3) cartography, and (4) looping and automation, all within the R environment. Course content updated to include dynamic mapping, calculating patch metrics, and interpolation.

Workshop 1: Caesar Kleberg Wildlife Research Institute. Kingsville, TX. May 2025. 32 participants.
Workshop 2: International Congress for Conservation Biology. University of Queensland, Brisbane, Australia. June 2025. 26 participants.

Petracca, L.S. and A.E. Cheeseman**.** 2023. Geospatial Analysis in R. Full-day workshop with the highest registration of the Congress (42 participants). Workshop covered (1) the basics of geospatial data and use of spatial data in R, (2) manipulation and analysis of vector and raster data, (3) cartography, and (4) looping and automation, all within the R environment. Course content updated to use package terra. International Mammalogical Congress. Anchorage, AK.

Petracca, L.S. and A.E. Cheeseman**.** 2021. Geospatial Analysis in R. Half-day workshop that covered the basics of geospatial data and use of spatial data in R, namely the manipulation and analysis of vector and raster data. Northeast Association of Fish & Wildlife Agencies Annual Meeting (NEAFWA). Virtual.

Petracca, L.S. and A.E. Cheeseman**.** 2020. Geospatial Analysis in R. Full-day workshop with two sold-out sessions reaching ~100 participants. Workshop covered (1) the basics of geospatial data and use of spatial data in R, (2) manipulation and analysis of vector and raster data, (3) cartography, and (4) looping and automation, all within the R environment. The Wildlife Society 2020 Annual Conference. Virtual.

Petracca, L.S. 2015. Los Fundamentos de Sistemas de Información Geográfica (SIG). Five-day graduate-level workshop (in Spanish). Universidad Autónoma de Querétaro, Querétaro, México.

Petracca, L.S. 2014. Una introducción a sensores remotos: ¿Cómo podemos usar las imágenes de satélite en la conservación del jaguar? One-day workshop (in Spanish). Sponsored by Inter-American Development Bank (IDB). ICE Reventazón Hydroelectric Dam Site, Siquirres, Costa Rica.

Petracca, L.S. 2014. Una introducción a los análisis de menor costo y ocupación usando datos de jaguares. Three-day workshop (in Spanish). Panthera Field Office, San José, Costa Rica.

Petracca, L.S. 2012-2013 (various). La realización de análisis ecológicos con ArcMap. Five-day workshop (in Spanish). Panthera Field Offices, Carazo, Nicaragua; Tegucigalpa, Honduras; Belmopan, Belize; San José, Costa Rica.

PUBLICATIONS

***denotes SPEC Lab member**

REFEREED ARTICLES

In revision

1. Hiott, A.N.,* **Petracca, L.S.,** Hilton, C.D., Reeves, A.M., Tewes, M.E., and A.M. Martin. Seroprevalence Shows Likely Highly Pathogenic Avian Influenza Infection in a Living Male Bobcat in South Texas, USA. In revision (minor corrections), *Journal of Wildlife Diseases*.

Submitted

1. Smith, M.M.,* Reeves, A.M., Tewes, M.E., and **L.S. Petracca**. Drought Restructures Movement and Promotes Nocturnality within a Carnivore Community. Submitted, *Proceedings of the Royal Society B*.
2. Hediger, J.A., Moore, M.T., **Petracca, L.S.,** Anderson, C.C., DeYoung, C.A., DeYoung, R.W., Hewitt, D.G., Stedman, S.W., and M.J. Cherry. Age-specific survival of male white-tailed deer in South Texas. Submitted, *Journal of Wildlife Management.*

3. Martinez, L.A., Anders, A.D., Harris, G.M., Hewitt, D.G., Kunz, D., Miranda-Castro, L., **Petracca, L.S.,** Reeves, A.M., Swanson, W.F., Wilkins, R.N., and R.R. Lopez. Collaborative planning for ocelot propagation and reintroduction on private lands in Texas, USA: A Conservation Without Conflict approach. Submitted, *Conservation Science and Practice.*

4. Madsen, E., Searle, C., Cowans, A., Adhola, T., Connolly, E., Carruthers, N., Cotterill, A., Dickman, A., Eliza, M., Ferreira, G., Kaduma, J., Grau, A., Hape, G., Haule, L., Ingram, D.J., Jones, K., Lentaam, S., Lobora, A., Mlaponi, Z., Moss, N., Mwebi, O., Ngasike, M., Olesyapa, K., Pantazis, O., Parsais, S., Petre, C., Pringle, H., Salum, N., Smit, J., Sembosi, S., Strampelli, P., and **L.S. Petracca**. Striking a Balance: Co-occurrence and habitat use among medium and large carnivores in African savannahs. Submitted, *Ecology and Evolution*.

5. Sweeten, L.D., McKinney, C.M., Travis, K.A., Ramos-Gonzalez, M., Tanner, E.P., Tanner, A.M., Hernandez, F., Brennan, L.A., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., and **L.S. Petracca**. Differential effects of temperature and drought on the survival of sympatric scaled quail and northern bobwhite. Submitted, *Wildlife Biology.*

Published

1. Branney, A.B., Yamashita, T.J., **Petracca, L.S.**, Lombardi, J.V., Scognamillo, D.G., Blankenship, T.L., Caso, A., Fischer, C.V., Grassman, L.I., Hiott, A.,* Korn, J.M., Laack, L.L., Leonard, J.P., Locke, V.L.,* Reeves, A.M., Rulison, E.L., Schofield, L.R., Sergeyev, M., Wardle, Z.M.,* Wied, J.P., and M.E. Tewes. 2026. Rethinking solitude: 5 decades of data reveal social tolerance in a traditionally solitary felid. *Journal of Mammalogy*. https://doi.org/10.1038/s41598-026-58140-7

2. Choki, K., **Petracca, L.S.,** Aikens, E.O., and A.E. Cheeseman. 2026. The influence of bottom-up and top-down effects on the distribution and density of common leopards (*Panthera pardus*) in an Eastern Himalayan landscape. *Scientific Reports*. https://doi.org/10.1038/s41598-026-58140-7

3. Sousa, L.L., Kotze, R., Fanikiso, L., Young-Overton, K., Overton, J., Stevens, X., Lines, R., Wijers, M., Kesch, K., Bauer, D.T., Seymour-Smith, J., Sibanda, A., Parry, R., Fitt, M., Burger, K., Seyoka, S., McNutt, J.W., Stein, A.B., Pelayo-Malet, V., **Petracca, L.S.**, Funston, P., Henschel, P., Winterbach, C.W., Mbizah, M.M., Chatikobo, S.P., Strampelli, S., Nieman, W.A., Claase, M.J., Macdonald, D.W., Nyambe, N., and A.J. Loveridge. 2026. Multispecies transboundary landscape connectivity in the KAZA TFCA. *Scientific Reports*. https://doi.org/10.1038/s41598-026-58440-y

4. Smith, M.M.,* Veals Dutt, A.M., Lombardi, J.V., Branney, A.B., Reeves, A.M., Scognamillo, D.G., Sergeyev, M., Wardle, Z.M.,* Tewes, M.E., and **L.S. Petracca**. 2025. Sex-specific resource strategies mediate home range sizes of an endangered carnivore across multiple scales. *Scientific Reports*. doi.org/10.1038/s41598-025-15493-9

5. Madsen, E.K., Eckersley, L., Linden, J.F., Lai, S., Hare, D., Macdonald, D.W., Kimaili, D., Kulunge, S., Mutinhuma, Y., **Petracca, L.S.**, Rono, B.J., Sibanda, L., Sillero-Zubiri, C., Tacey, J., and F. Broekhuis. 2025. What's in a Name? Not All Mesopredators Are Mesocarnivores. *Ecology and Evolution.* https://doi.org/10.1002/ece3.72768

6. Slovikosky, S.A**., Petracca, L.S.**, Hunter, L.T.B., and J.L. Frair. 2025. Spatially explicit estimates of global population potential for leopard (Panthera pardus). *Biodiversity and Conservation.* https://doi.org/10.1007/s10531-025-03131-9

7. **Petracca, L.S.,** Converse, S.J., Maletzke, B.T., and B. Gardner. 2025. Forecasting dynamics of a recolonizing wolf population under different management strategies. *Animal Conservation*. https://doi.org/10.1111/acv.70019

8. Madsen, E.K., Ray, S., **Petracca, L.S.,** and J.F. Kamler. 2025. The Potential for Subordinate Predator Release in Terrestrial Mammalian Carnivore Assemblages. *Mammal Review* e70003. https://doi.org/10.1111/mam.70003

9. **Petracca, L.S.,** Gardner, B., Maletzke, B.T., and S.J. Converse. 2025. Response to Santiago-Ávila et al. (2024). *Biological Conservation*: 110926. https://doi.org/10.1016/j.biocon.2024.110926

10. Slovikosky, S.A., **Petracca, L.S.,** Hunter, L.T.B., and J.L. Frair. 2024. Scaling issues in the study of livestock depredation by carnivores. *Landscape Ecology*. https://doi.org/10.1007/s10980-024-01932-x

11. **Petracca, L.S.,** Gardner, B., Maletzke, B.T., and S.J. Converse. 2024. Corrigendum to "Merging integrated population models and individual-based models to project population dynamics of recolonizing species" [Biol. Conserv. 289 (January 2024) 110340]. *Biological Conservation* 295: 110633. https://doi.org/10.1016/j.biocon.2024.110633

12. **Petracca, L.S.,** Gardner, B., Maletzke, B.T., and S.J. Converse. 2024. Merging integrated population models and individual-based models to project population dynamics of recolonizing species. *Biological Conservation* 289: 110340. https://doi.org/10.1016/j.biocon.2023.110340

13. Elbroch, LM., **Petracca, L.S.,** O'Malley, C., and H.R. Robinson. 2022. Analyses of national mountain lion harvest indices yield ambiguous interpretations. *Ecological Solutions and Evidence.* https://doi.org/10.1002/2688-8319.12150

14. Tear, T.H., Wolff, N.H., Lipsett-Moore, G.J., Ritchie, M.E., Ribeiro, N.S., **Petracca, L.S.,** Lindsey, P.L., Hunter, L., Loveridge, A.J., and F. Steinbruch. 2021. A burning question: Can savannah fire management generate enough carbon revenue to restore Africa's rangelands and fill Protected Area funding gaps? *One Earth.* https://doi.org/10.1016/j.oneear.2021.11.013

15. Gálvez, N., Infante, J., Fernandez, A., Díaz, J., and **L.S. Petracca**. 2021. Land use intensification coupled with free-roaming dogs as potential defaunation drivers of mesocarnivores in agricultural landscapes. *Journal of Applied Ecology.* https://doi.org/10.1111/1365-2664.14026

16. Salom-Pérez, R., Corrales-Gutiérrez, D., Araya-Gamboa, D., Espinoza-Muñoz, D., Finegan, B., and **L.S. Petracca**. 2021. Forest cover mediates large and medium-sized mammal occurrence in a critical link of the Mesoamerican Biological Corridor. *PLOS ONE*. https://doi.org/10.1371/journal.pone.0249072

17. **Petracca, L.S.,** Frair, J.L., Bastille-Rousseau, G., Macdonald, D.W., and A.J. Loveridge. 2021. Harassment-induced changes in lion space use as a conflict mitigation tool. *Conservation Science and Practice*. https://doi.org/10.1111/csp2.373

18. Powers, K., **Petracca, L.S.**,** MacDuff, A.J., and J.L. Frair. 2021. A pragmatic approach for determining otter distribution from disparate occurrence records. *Journal of Wildlife Management.* https://doi.org/10.1002/jwmg.21968
****corresponding author**

19. Henschel, P., **Petracca, L.S.,** Ferreira, S.M., Ekwanga, S., Ryan, S.D., and L. Frank. 2020. Census and distribution of large carnivores in the Tsavo National Parks, a critical East African wildlife corridor. *African Journal of Ecology.* https://doi.org/10.1111/aje.12730

20. **Petracca, L.S.,** Frair, J.L., Bastille-Rousseau, G., Hunt, J.E., Macdonald, D.W., Sibanda, L., and A.J. Loveridge. 2019. The effectiveness of hazing African lions as a conflict mitigation tool: Implications for carnivore management**.** *Ecosphere*. https://doi.org/10.1002/ecs2.2967

21. **Petracca, L.S.,** Funston, P.J., Henschel, P., Cohen, J.B., Maclennan, S., and J.L. Frair. 2019. Modeling community occupancy from line transect data: A case study with large mammals in post-war Angola**.** *Animal Conservation***.** https://doi.org/10.1111/acv.12555

22. Lindsey, P.A.**, Miller, J.R.B.**, **Petracca, L.S.**,** Coad, L., Dickman, A.J., Fitzgerald, K.H., Flyman, M.V., Funston, P.J., Henschel, P., Kasiki, S., Knights, K., Loveridge, A.J., Macdonald, D.W., Mandisodza-Chikerema, R.L., Nazerali, S., Plumptre, A.J., Stevens, R., Van Zyl, H.W., and L.T.B. Hunter. 2018. More than $1 billion needed annually to secure Africa's protected areas with lions. *Proceedings of the National Academy of Sciences* 115 (45), 10788-10796. https://doi.org/10.1073/pnas.1805048115
****shared first-authorship**

23. **Petracca, L.S.,** Frair, J.L., Cohen, J.B., Calderón, A.P., Carazo-Salazar, J., Castañeda, F., Corralez-Gutiérrez, D., Foster R.J., Harmsen, B., Hernández-Potosme, S., Herrera, L., Olmos, M., Pereira, S., Robinson, H.S., Robinson, N., Salom-Pérez, R., Urbina, Y., Zeller, K.A., and H. Quigley. 2018. Robust inference on large-scale species habitat use with interview data: the status of jaguars outside protected areas in Central America. *Journal of Applied Ecology* 55 (2), 723-734. https://doi.org/10.1111/1365-2664.12972

24. Lindsey, P.A., Chapron, G., **Petracca, L.S.,** Burnham, D., Hayward, M.W., Henschel, P., Hinks, A.E., Garnett, S.T., Macdonald, D.W., Macdonald, E.A., Ripple, W.J., Zander, K., and A. Dickman. 2017. Relative efforts of countries to

conserve world's megafauna. *Global Ecology and Conservation* 10, 243-252. https://doi.org/10.1016/j.gecco.2017.03.003

25. Lindsey, P.A.**, **Petracca, L.S.****, Funston, P.J., Bauer, H., Dickman, A., Everatt, K., Flyman, M., Henschel, P., Hinks, A.E., Kasiki, S., Loveridge, A., Macdonald, D.W., Mandisodza, R., Mgoola, W., Miller, S.M., Nazerali, S., Siege, L., Uiseb, K., and L.T.B. Hunter. 2017. The performance of African protected areas for lions and their prey. *Biological Conservation* 209, 137-149. http://dx.doi.org/10.1016/j.biocon.2017.01.011
****shared first-authorship, Editor's Choice**

26. **Petracca, L.S.**, and J.L. Frair. 2017. When methodological flaws limit inference: a response to Caruso et al. (2016). *Oryx*. https://doi.org/10.1017/S0030605316000788

27. Henschel, P., **Petracca, L.S.**,** Hunter, L.T.B., Kiki, M., Sewade, C., Tehou, A., and H.S. Robinson. 2016. Determinants of persistence in a Critically Endangered lion (*Panthera leo*) population. *Frontiers in Ecology and Evolution* 4, 110. http://dx.doi.org/10.3389/fevo.2016.00110
****corresponding author**

28. Di Minin, E., Slotow, R., Hunter, L.T.B., Montesino Pouzols, F., Toivonen, T., Verburg, P.H, Leader-Williams, N., **Petracca, L.S.,** and A. Moilanen. 2016. Global priorities for national carnivore conservation under land use change. *Scientific Reports* 6, 23814. http://doi.org.esf.idm.oclc.org/10.1038/srep23814

29. **Petracca, L.S.**, Hernández-Potosme, S., Obando-Sampson, L., Salom-Pérez, R., Quigley, H., and H.S. Robinson. 2014. Agricultural encroachment and lack of enforcement threaten connectivity of range-wide jaguar (*Panthera onca*) corridor. *Journal for Nature Conservation* 22(5), 436–444. https://doi.org/10.1016/j.jnc.2014.04.002

30. Cuyckens, G.A.E., Falke, F., and **L.S. Petracca.** 2014. Jaguar *Panthera onca* in its southernmost range: use of a corridor between Bolivia and Argentina. *Endangered Species Research* 26:167–177. https://doi.org/10.3354/esr00640

31. **Petracca, L.S.**, Ramirez-Bravo, O.E., and L. Hernandez-Santin. 2013. Occupancy estimation of jaguar *Panthera onca* to assess the value of east-central Mexico as a jaguar corridor. *Oryx* 48(1), 133-140. https://doi.org/10.1017/S0030605313000069

32. Jacobson, A.P., Cattau, M.E., Riggio, J.S., **Petracca, L.S.**, and D.A. Fedak. 2013. Distribution and abundance of lions in northwest Tete Province, Mozambique. *Tropical Conservation Science* 6(1):87-107. https://doi.org/10.1177/194008291300600110

NONREFEREED ARTICLES

Petracca, L.S. 2026**.** Could use of rat poisons be affecting non-target wildlife in South Texas? *Texas Wildlife Magazine*. Winter issue. Link

Tewes, M.E., and **L.S. Petracca.** 2026**.** Ocelot conservation in South Texas: Nature's fragile icon of the wild. *CKWRI Current Research Report.*

Nouzille, C.M.,***** and **L.S. Petracca.** 2026. Regional News Update: Texas. *Wild Felid Monitor.* Fall issue.

Swanson, W.F., Carpenter, L., Lombardi, J.V., **Petracca, L.S.**, DeYoung, R.W., Bostwick, T.A.,* Reeves, A., and L.A. Martinez. 2025. Ex-Situ Propagation, Wilding, and Reintroduction of Ocelots in South Texas, USA. *CATnews* 84:36-40.

McDaniel, K.G., Nouzille, C.M.,* Cherry, M.J., and **L.S. Petracca**. 2025. Wild Felid Association Regional Update - Texas. *Wild Felid Monitor*. Fall issue.

Nouzille, C.M.,* Hewitt, D.G., Cherry, M.J., and **L.S. Petracca**. 2024. Mountain lion ecology in South Texas. *Fair Chase Magazine*. Fall issue.

McDaniel, K.G.,* Nouzille, C.M.,* and **L.S. Petracca**. 2024. The South Texas Lion Project arrives at the CKWRI. *Wildlife Research: Quarterly Newsletter of the Caesar Kleberg Wildlife Research Institute at Texas A&M University – Kingsville* 28:1. Spring issue.

McDaniel, K.G.,* Nouzille, C.M.,* **Petracca, L.S.**, and M.J. Cherry. 2024. The Ghost Cat of Texas: How Mountain Lions Are Navigating Life in a Transboundary Region. *Caesar Kleberg Tracks*. Fall issue.

McDaniel, K.G.,* Nouzille, C.M.,* Cherry, M.J., and **L.S. Petracca**. 2024. Wild Felid Association Regional Update-Texas. *Wild Felid Monitor*. Fall issue.

Petracca, L.S. 2023**.** Ocelots in South Texas: Coming Back from the Brink. *Caesar Kleberg Tracks*. Fall issue.

Petracca, L.S. 2023**.** Renewed Hope for South Texas Ocelots. *Texas Wildlife Magazine*. August issue. Link

Petracca, L.S. 2017**.** Jaguar habitat use outside protected areas in Central America: accounting for the detection process generates new insights. *The Applied Ecologist.* Link

Funston, P., Henschel, P., **Petracca, L.S.,** Maclennan, S., Whitesell, C., Fabiano, E., and I. Castro. The distribution and status of lions and other large carnivores in Luengue-Luiana and Mavinga National Parks, Angola. 2017. Report for Secretariat Kavango-Zambezi Transfrontier Conservation Area, Kasane, Botswana. Link

PRESENTATIONS

***denotes SPEC Lab member**

REFEREED PRESENTATIONS

INTERNATIONAL CONFERENCES

Petracca, L.S. 2025. Mountain lion ecology in the Texas-Mexico borderlands: Challenges and opportunities. International Congress for Conservation Biology. Brisbane, Australia. (Oral)

Nouzille, C.M.,* McDaniel, K.G.,* Alonso, R.S.,* Hewitt, D.G., Harris, G.M., Karelus, D.L., Wultsch, C., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Cherry, M.J., and **L.S. Petracca**. 2025. Effects of a large, linear, political, anthropogenic barrier on large carnivore movement behavior. International Congress for Conservation Biology. Brisbane, Australia. (Oral)

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Martin, A.M., Reeves, A., Scognamillo, D.G., and **L.S. Petracca**. 2025. Density estimation using camera traps and scat detection dogs: Challenges and opportunities. International Congress for Conservation Biology. Brisbane, Australia. (Oral)

Smith, M.M.,* and **L.S. Petracca**. 2025. Extreme weather alters movement and space use that challenges recovery of the endangered ocelot at their northern range boundary. International Congress for Conservation Biology. Brisbane, Australia. (Oral)

Helferich, J.N.,* Gardner, B., and **L.S. Petracca**. 2025. Optimizing spatially explicit capture-recapture study design across varying animal movement strategies. International Congress for Conservation Biology. Brisbane, Australia. (Poster)

McDaniel, K.G.,* Nouzille, C.M.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Smith, M.M.,* Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2025. Examining population structure and genetic relatedness of mountain lions in a dynamic geographic region. International Congress for Conservation Biology. Brisbane, Australia. (Poster)

Smith, M.M.,* Veals Dutt, A.M., Lombardi, J.V., Branney, A.B., Reeves, A.M., Scognamillo, D.G., Sergeyev, M., Wardle, Z.M.,* Tewes, M.E., and **L.S. Petracca**. 2025. Sex-specific responses to landscape characteristics drive home range size of an endangered carnivore. International Congress for Conservation Biology. Brisbane, Australia. (Poster)

Hiott, A.N.,* Martin, A.M., Fidino, M., Hilton, C.D., Reeves, A.M., Smith, M.M.,* and **L.S. Petracca**. 2025. Modeling Contact Dynamics to Understand Potential Disease Transmission Between Wild and Domestic Felids. 73rd Annual International Conference of the Wildlife Disease Association. Victoria, Canada. (Oral)

Rued, M., Martin, A., Reeves, A., **Petracca, L.S.**, and C. Kozakiewicz. 2025. Understanding the health of Texas ocelots from their microbiome and virome. 73rd Annual International Conference of the Wildlife Disease Association. Victoria, Canada. (Poster)

Madsen, E.K., Ray, S., **Petracca, L.S.,** and J. Kamler. 2024. Subordinate predator release: A Systematic Review of the potential for its occurrence in terrestrial mammalian assemblages. European Congress for Conservation Biology. Bologna, Italy. (Oral)

Farr, M.T., Gardner, B., **Petracca**, **L.S.,** Hodum, P.J., Kaler, R.S.A., Pearson, S.F., Renner, H.M., and S.J. Converse. 2024. Optimizing range-wide monitoring strategy for Tufted Puffins. Pacific Seabird Group Annual Meeting, Seattle, Washington. (Oral)

Petracca, L.S. 2023. A new paradigm for ocelot recovery in the United States. International Mammalogical Congress, Anchorage, AK. (Oral)

Petracca, L.S.,** Gardner, B., Maletzke, B.T., and S.J. Converse. 2023. Forecasting recolonization dynamics of wolves through an integrated population model with individual-based movement. International Mammalogical Congress, Anchorage, AK. (Oral)
****INVITED TALK**

Petracca, L.S., Gardner, B., Maletzke, B.T., and S.J. Converse. 2022. Merging an IPM and IBM to project population dynamics of recolonizing species. International Statistical Ecology Conference, virtual. (Oral)

Petracca, L.S., Gardner, B., Maletzke, B.T., and S.J. Converse**.** 2021. A semi-spatial integrated population model to assess population dynamics of a recolonizing species. EURING 2021 Analytical Meeting and Workshop, virtual. (Oral)

Petracca, L.S. 2019. Effects of a human-carnivore conflict mitigation program on the space use of a threatened felid. International Congress for Conservation Biology, Kuala Lumpur, Malaysia. (Oral)

Petracca, L.S., Hernández-Potosme, S., Obando-Sampson, L., Salom-Pérez, R., Quigley, H., and H.S. Robinson. 2014. La invasión agrícola y la falta de hacer cumplir las leyes amenazan la conectividad del corredor del jaguar (*Panthera onca*) del amplio rango. Annual meeting, Sociedad Mesoamericana para la *Biología* y la Conservación, Copán Ruinas, Honduras. (Oral, in Spanish)

Petracca, L.S., Hernández-Potosme, S., Obando-Sampson, L., Salom-Pérez, R., Quigley, H., and H.S. Robinson. 2014. La invasión agrícola y la falta de hacer cumplir las leyes amenazan la conectividad del corredor del jaguar (*Panthera onca*) del amplio rango. Simposio Internacional Conservación Felinos América, Chilamate, Costa Rica. (Oral, in Spanish)

Petracca, L.S., Ramirez-Bravo, O.E., and L. Hernandez-Santin. 2013. Occupancy estimation of jaguar (*Panthera onca*) in east-central Mexico: A corridor uncertain. International Congress for Conservation Biology, Baltimore, MD. (Oral)

Petracca, L.S., Carazo, J., Castañeda, F., Che, C., Corrales, D., Hernandez-Potosme, S., Herrera, L., Obando-Sampson, L., Olmos, M., Pereira, S., Quigley, H., Ruano, G., Salom-Perez, R., and Y. Urbina. 2012. La Iniciativa del Corredor del Jaguar: Una Actualización para Mesoamérica. Annual meeting, Sociedad Mesoamericana para la *Biología* y la Conservación, Mérida, México. (Oral, in Spanish)

NATIONAL CONFERENCES

Helferich, J.N.,* Gardner, B., and **L.S. Petracca**. 2026. Development of a multi-species spatially explicit capture-recapture modeling framework. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Oral)

Locke, V.L.,* Tanner, E.P., Reeves, A.M., Hilton, C.D., Young, J.K., and **L.S. Petracca**. 2026. Estimation of adult survival and population sensitivity to kitten survival in an endangered felid. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Oral)

Smith, M.M.,* Reeves, A.M., and **L.S. Petracca**. 2026. Drought Restructures Movement and Promotes Nocturnality within a Carnivore Community. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Oral)

Collins, T.C.,* Smith, M.M.,* Hewitt, D.G., Montalvo, A.B., and **L.S. Petracca**. 2026. Competition and Dietary Overlap Among Sympatric Carnivores: Implications for Ocelot Reintroduction Planning. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Poster)

Ta, T.L.,* DeYoung, R.W., Smith, M.M.,* Davis, B.W., Martinez, L.A., and **L.S. Petracca**. 2026. Genetic modeling of population augmentation strategies to inform endangered ocelot recovery in South Texas. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Poster)

Turner, R.K.,* Cherry, M.J., Alonso R.S.,* Smith, M.M.,* McDaniel, K.G.,* Hewitt, D.G., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., and **L.S. Petracca**. 2026. Use of Attractants to Increase Discoverability of Wildlife Passages by Mountain Lions. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Poster)

Yorke, K.N.,* Forrester, T.D., Schofield, L., and **L.S. Petracca**. 2026. Home range size and spatial overlap of sympatric carnivores in an endangered felid reintroduction landscape. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Poster)

Boykin, B.K., Hansen, K.W., Hediger, J.A., Moore, M.T., **Petracca, L.S**., DeYoung, R.W., Hilton, C.D., Sheriff, M.J., and M.J. Cherry. 2026. Translocation and body mass influence white-tailed deer juvenile survival in South Texas. 33rd Annual Meeting of The Wildlife Society. Des Moines, Iowa. (Oral)

Petracca, L.S. 2025. Bridging Movement Ecology with Conservation and Policy. Gordon Research Conference on Movement Ecology of Animals. Ventura, CA. (Oral)

Rued, M., Martin, A.M., Kozakiewicz, C.P., **Petracca, L.S.,** Tewes, M.E., and A.M. Reeves. Serologic evidence of canine distemper virus and protoparvovirus exposure in a multi-host carnivore community supporting endangered ocelots in southern Texas. Wildlife Disease Association Annual Meeting. Chicago, IL (oral)

Rued, M., Reeves, A.M., Kozakiewicz, C.P., **Petracca, L.S.,** Tewes, M.E., and A.M. Martin. Gut microbiome characterization of endangered ocelots and sympatric mesocarnivores using long-read metagenomics in southern Texas. Wildlife Disease Association Annual Meeting. Chicago, IL (poster)

Petracca, L.S., Nouzille, C.M.,* Alonso, R.S.,* McDaniel, K.G.,* Hewitt, D.G., DeYoung, R.W., Harris, G.M., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., and Cherry, M.J. 2025. Impacts of the U.S.-Mexico border barrier system on mountain lion movement ecology in South Texas. Gordon Research Conference on Movement Ecology of Animals. Ventura, CA. (Poster)

Bostwick, T.A.,* DeYoung, R.W., Smith, M.M.,* Martin, A.M., Reeves, A.M., and **L.S. Petracca**. 2025. Genomic Effects of Rare Gene Flow Between Inbred Populations of Ocelots in the United States. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Schofield, L., and **L.S. Petracca**. 2025. Effectiveness of utilizing camera trap and scat detection dog data for multi-site abundance estimation. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Martin, A.M., Reeves, A., Scognamillo, D.G., and **L.S. Petracca**. 2025. Density estimation using camera traps and scat detection dogs: challenges and opportunities. Animal Behavior Society Annual Meeting. Baltimore, Maryland (Oral).

Hiott, A.N.,* Martin, A.M., Fidino, M., Hilton, C.D., Reeves, A.M., Smith, M.M.,* and **L.S. Petracca**. 2025. Using Agent Based Models to Explore Contact Dynamics and Potential Disease Transmission Between Wild Felids. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

McDaniel, K.G.,* Nouzille, C.M.,* Alonso, R.S.,* Hewitt, DG., DeYoung, R. W., Smith, M.M.,* Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2025. Genetic status and connectivity of trans-boundary region mountain lion populations. The Wildlife Society Annual Conference. Edmonton, Alberta. (Oral)

Nouzille, C.M.,* McDaniel, K.G.,* Smith, M.M.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2025. Effects of a Large, Linear, Anthropogenic Barrier on Large Carnivore Movement Behavior. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Petracca, L.S., Locke, V.L.,* Tanner, E.P., Reeves, A.M., Hilton, C.D., and J.K. Young. 2025. Prevalence of anticoagulant rodenticides in mesocarnivores in a shrubland ecosystem. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Smith, M.M.,* Veals Dutt, A.M., Lombardi, J.V., Branney, A.B., Reeves, A.M., Scognamillo, D.G., Sergeyev, M., Wardle, Z.M.,* Tewes, M.E., and **L.S. Petracca**. 2025. Sex-specific resource strategies mediate home range sizes of an endangered carnivore across multiple scales. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Sweeten, L.D., Tanner, E.P., Tanner, A.M., McKinney, C.M., Travis, K.A., Ramos-Gonzalez, M., Hernandez, F., Brennan, L.A., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., and **L.S. Petracca**. 2025. Factors influencing survival of sympatric chestnut-bellied scaled quail and northern bobwhite within the Tamaulipan Biotic Province. The Wildlife Society Annual Conference. Edmonton, Alberta, Canada. (Oral)

Choki, K., **Petracca, L.S.**, Aikens, E.O., and A.E. Cheeseman. 2025. Tracking Bhutan's Forgotten Big Cat: Density and Distribution of the Common Leopard. Student Conference on Conservation Science. New York, NY. (Oral)

Sweeten, L.D., McKinney, C.M., Ramos-Gonzalez, M., Travis, K.A., Tanner, E.P., Brennan, L.A., Hernandez, F., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., **Petracca, L.S.**, Tanner, A.M., and D.B. Wester. 2025. Comparative survival of sympatric scaled quail (*Callipepla squamata*) and northern bobwhite (*Colinus virginianus*) within the Tamaulipan Thornscrub Ecoregion. National Pheasant Fest & Quail Classic. Kansas City, MO. (Poster)

Bostwick, T.A.,* DeYoung, R.W., Smith, M.M.,* Martin, A.M., Reeves, A.M., and **L.S. Petracca**. 2024. Genetic Diversity and Historic Demography of Federally Endangered Ocelots in the United States. The Wildlife Society Annual Conference. Baltimore, Maryland. (Oral)

Choki, G.K., **Petracca, L.S.,** Aikens, E.O., and A.E. Cheeseman. 2024. Abundance and Density Estimates for Common Leopard in the Eastern Himalayas. The Wildlife Society Annual Conference. Baltimore, Maryland. (Poster)

Haiflich, S.M.,* Helferich, J.N.,* Hiott, A.N.,* Schofield, L., and **L.S. Petracca**. 2024. Spatiotemporal niche separation of a sympatric specialist and generalist felid in Tamaulipan thornscrub. The Wildlife Society Annual Conference. Baltimore, Maryland. (Poster)

Helferich, J.N.,* Gardner, B., and **L.S. Petracca**. 2024. Optimizing spatially explicit capture-recapture study design across varying animal movement strategies. The Wildlife Society Annual Conference. Baltimore, Maryland. (Oral)

Hiott, A.N.,* Martin A.M., Fidino, M., Hilton, C.D., Reeves, A.M., and **L.S. Petracca**. 2024. Understanding Disease Transmission Dynamics in a Multi-Felid system. The Wildlife Society Annual Conference. Baltimore, Maryland. (Poster)

Locke, V.L.,* Reeves, A.M., Tanner, E.P., Young, J.L., and **L.S. Petracca**. 2024. Survival of the generalist? A comparison of kitten survival and reproduction in bobcats and ocelots. The Wildlife Society Annual Conference. Baltimore, Maryland. (Poster)

McDaniel, K.G.,* Cherry, M.J., Nouzille, C.M.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., and **L.S. Petracca**. 2024. Genetic relatedness, diversity, and population structure of mountain lions (Puma concolor) in Texas and the trans-boundary region. The Wildlife Society Annual Conference. Baltimore, MD. (Poster)

Nouzille, C.M.,* Cherry, M.J., McDaniel, K.G.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Wultsch, C., Harris, G.M., and **L.S. Petracca**. 2024. Investigating the potential impacts of a large anthropogenic barrier on the ecology of mountain lions (Puma concolor) in South Texas. The Wildlife Society Annual Conference. Baltimore, Maryland. (Oral)

Smith, M.M.,* and **L.S. Petracca**. 2024. Extreme climate events influence movement and space use of the endangered ocelot at their northern range boundary. The Wildlife Society Annual Conference. Baltimore, Maryland. (Oral)

Petracca, L.S. 2023. A Road Map for Ocelot Recovery in the United States. The Wildlife Society 30th Annual Meeting. Louisville, KY. (Oral)

Bostwick, T.A.,* DeYoung, R.W., Martin, A.M., Reeves, A.M., and **L.S. Petracca**. 2023. Informing Recovery: Current Genetic Status of Severely Isolated Ocelot Populations in South Texas. The Wildlife Society 30th Annual Meeting. Louisville, KY. (Poster)

Ta, T., Satterfield, L., Cunningham, C., Ganz, T., Kertson, B., Newsome, T., Windell, B., Prugh, L.R., Wirsing, A., and **L.S. Petracca**. 2023. Using camera traps to understand impacts of human disturbance on cougar (Puma concolor) feeding duration. Ecological Society of America Annual Meeting. Portland, OR. (Oral)

Petracca, L.S., Gardner, B., Maletzke, B.T., and S.J. Converse. 2022. Use of a spatially explicit projection model to assess population dynamics of the gray wolf (Canis lupus) in Washington State, USA. The Wildlife Society 29th Annual Meeting, Spokane, WA. (Oral)

Petracca, L.S., Gardner, B., Maletzke, B.T., and S.J. Converse**.** 2021. A semi-spatial integrated population model to assess population dynamics of a recolonizing species. The Wildlife Society 28th Annual Meeting, virtual. (Oral)

Petracca, L.S. 2020. Modeling community occupancy from line transect data: A case study with large mammals in post-war Angola. The Wildlife Society 27th Annual Meeting, virtual. (Oral)

Petracca, L.S. 2019. Sex-Mediated Behavioral Response to Induced Risk in a Large Carnivore. Joint Annual Conference of the American Fisheries Society and The Wildlife Society, Reno, NV. (Oral)

Petracca, L.S.** 2019. Robust Inference on Large-Scale Species Habitat Use with Interview Data Prone to False Positives. Joint Annual Conference of the American Fisheries Society and The Wildlife Society, Reno, NV. (Oral)
****INVITED TALK**

Petracca, L.S. 2016. Robust inference on species distribution in human-dominated landscapes using interview data: The status of jaguar across Central America. The Wildlife Society Annual Conference, Raleigh, NC. (Oral)

Petracca, L.S. 2016. Robust inference on species distribution in human-dominated landscapes using interview data: The status of jaguar across Central America. Ecological Society of America Annual Meeting, Ft. Lauderdale, FL. (Oral)

Petracca, L.S. 2015. Jaguar (*Panthera onca*) habitat use outside protected areas in Central America. Student Conference on Conservation Science, American Museum of Natural History, New York, NY. (Oral)

STATE CONFERENCES

Bostwick, T.A.,* DeYoung, R.W., Smith, M.M., Reeves, A.R., Martin, A.M., and **L.S. Petracca**. 2026. Genomic insights into endangered ocelot populations to inform recovery. 62nd Annual Conference of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Schofield, L., and **L.S. Petracca**. 2026. Utilizing camera trap and scat detection dog data for multi-site abundance estimation. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Hiott, A.H.,* Martin, A.M., Hilton, C.D., Fidino, M., Reeves, A.R., Smith, M.M.,* and **L.S. Petracca**. 2026. Using animal movement models and contact networks to understand potential spillover routes between two sympatric felid species. 62nd Annual Conference of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Locke, V.L.,* Tanner, E.P., Reeves, A.M., Hilton, C.D., Young, J.K., and **L.S. Petracca**. 2026. Prevalence of anticoagulant rodenticides in mesocarnivores in a shrubland system. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

McDaniel, K.G.,* DeYoung, R.W., Nouzille, C.M.,* Alonso, R.S.,* Smith, M.M.,* Hewitt, D.G., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2026. Genetic status and connectivity of transboundary region mountain lion populations. 62nd Annual Conference of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Nouzille, C.M.,* McDaniel, K.G.,* Smith, M.M.,* Karelus, D., Alonso, R.S.,* Hewitt, D.G., Harris, G., Wultsch, C., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Cherry, M.J., and **L.S. Petracca**. 2026. Effects of a Large, Linear, Anthropogenic Barrier on Large Carnivore Movement Behavior. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Smith, M.M.,* Reeves, A.M., Scognamillo, D.G., Tewes, M.E., and **L.S. Petracca**. 2026. Selection for resource stability differs among sympatric carnivores during drought. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Collins, T.C.,* Smith, M.M.,* Hewitt, D.G., Montalvo, A.B., and **L.S. Petracca**. 2026. How does carnivore community composition affect dietary niche separation in South Texas? 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, TX. (Poster)

Ta, T.L.,* DeYoung, R.W., Smith, M.M.,* and **L.S. Petracca**. 2026. Genetic Modeling of Assisted Migration Strategies for Endangered Ocelot Populations in South Texas. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Poster)

Turner, R.K.,* Cherry, M.J., Alonso R.S.,* Smith, M.M.,* McDaniel, K.G.,* Nouzille, C.M.,* Hewitt, D.G., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., and **L.S. Petracca**. 2026. Use of Attractants to Increase Discoverability of Wildlife Passages by Mountain Lions. 62nd Annual Conference of The Texas Chapter of The Wildlife Society. Galveston, TX. (Poster)

Vasquez, L.,** and **L.S. Petracca**. 2026. Species-specific responses to olfactory, visual, and auditory attractants in a South Texas carnivore community. 62nd Annual Conference of The Texas Chapter of The Wildlife Society. Galveston, Texas. (Poster)
****undergraduate student**

Yorke, K.N.,* Schofield, L., Forrester, T.D., and **L.S. Petracca**. 2026. Carnivore Competition and Density at a Proposed Endangered Felid Reintroduction Site. 62nd Annual Meeting of the Texas Chapter of The Wildlife Society. Galveston, TX. (Poster)

Rued, M., Martin, A., **Petracca, L.S.,** Tewes, M.E., Reeves, A.M., and C. Kozakiewicz. 2026. Demographic factors and seroprevalence of protoparvovirus and distemper in mesocarnivores of southern Texas. 62nd Annual Conference of the Texas Chapter of The Wildlife Society. Galveston, Texas. (Oral)

Sweeten, L.D., Tanner, E.P., Tanner, A.M., McKinney, C.M., Travis, K.A., Ramos-Gonzalez, M., Hernandez, F., Brennan, L.A., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., and **L.S. Petracca**. 2026. Differential effects of temperature and drought on the survival of sympatric quail species in a semiarid environment. 62nd Annual Conference of the Texas Chapter of the Wildlife Society. Galveston, Texas. (Oral)

Bostwick, T.A.,* DeYoung, R.W., Smith, M.M.,* Martin A.M., Reeves, A.M., and **L.S. Petracca**. 2025. Genetic Diversity of Federally Endangered Ocelots in the United States. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Oral)

Hiott, A.N.,* Martin, A.M., Fidino, M., Hilton, C.D., Reeves, A.M., Smith, M.M,* and **L.S. Petracca**. 2025. Using Animal Movement Models to Understand Potential Disease Transmission Dynamics Among Wild Felids. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Oral)

Nouzille, C.M.,* McDaniel, K.G.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Wultsch, C., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2025. Mountain Lion (*Puma concolor*) movement behavior around a large anthropogenic barrier. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, TX. (Oral)

Haiflich, S.M.,** Helferich, J.N.,* Hiott, A.N.,* Schofield, L., and **L.S. Petracca**. 2025. Niche separation between a sympatric specialist and generalist felid in Tamaulipan thornscrub. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Oral)
****undergraduate student**

Helferich, J.N.,* Gardner, B., and **L.S. Petracca**. 2025. Optimizing spatially explicit capture-recapture study design across varying animal movement strategies. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Oral)

Smith, M.M.,* and **L.S. Petracca**. 2025. Drought events alter movement of the endangered ocelot and niche overlap with bobcats at their northern range boundary in South Texas. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Oral)

Locke, V.L.,* Tanner, E.P., Hilton, C.D., Reeves, A.M., Young, J.K., and **L.S. Petracca**. 2025. Survival of the generalist? A comparison of kitten survival and reproduction in bobcats and ocelots. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Poster)

Choki, K., **Petracca, L.S.,** Aikens, E.O., and A.E. Cheeseman. 2025. Examining the influence of tigers and anthropo-environmental factors on sympatric leopards. South Dakota Chapter of The Wildlife Society Annual Meeting. (Oral)

Rued, M., Martin, A., Reeves, A., **Petracca, L.S.**, and C. Kozakiewicz. 2025. Microbiome and Virome of Ocelots in South Texas: Insights into Population Health. 61st Annual Meeting of the Texas Chapter of The Wildlife Society. Denton, Texas. (Poster)

Sweeten, L.D., McKinney, C.M., Ramos-Gonzalez, M., Travis, K.A., Tanner, E.P., Brennan, L.A., Hernandez, F., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., **Petracca, L.S.**, Tanner, A.M., and D.B. Wester. 2025. Comparative survival of sympatric scaled quail (*Callipepla squamata*) and northern bobwhite (*Colinus virginianus*) within the Tamaulipan Thornscrub Ecoregion. 61st Annual Meeting of the Texas Chapter of the Wildlife Society. Denton, Texas. (Poster)

Bostwick, T.A.,* DeYoung, R.W., Martin, A.M., Reeves, A.M., and **L.S. Petracca**. 2024. Informing Recovery: Current Genetic Status of Isolated Ocelot (Leopardus pardalis) Populations in South Texas. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)

Haiflich, S.M.,** McDaniel, K.G.,* Nouzille, C.M.,* and **L.S. Petracca**. 2024. Diet composition of mountain lions (Puma concolor) in the Southwestern United States. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)
****undergraduate student**

Hiott, A.N.,* Martin, A.M., and **L.S. Petracca**. 2024. Understanding Disease Transmission Dynamics in a Multi-felid System. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)

Locke, V.L.,* Reeves, A.M., Tanner, E.P., and **L.S. Petracca**. 2024. Kitten Survival and Den Site Selection of South Texas Felids. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)

Nouzille, C.M.,* Cherry, M.J., McDaniel, K.G.*, DeYoung, R.W., Evans, J.W., Harris, G.M., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., and **L.S. Petracca**. 2024. Movement and foraging ecology of mountain lions (Puma concolor) in South Texas. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)

Helferich, J.N.,* DeYoung, R.W., Martin, A.M., Scognamillo, D.G., and **L.S. Petracca**. 2024. Estimating site-specific and region-wide density of an endangered South Texas felid using spatially explicit capture-recapture. Texas Chapter of The Wildlife Society Annual Conference. Houston, Texas. (Poster)

McDaniel, K.G.,* Cherry, M.J., Nouzille, C.M.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Evans, J.W., Harris, G.M., and **L.S. Petracca**. 2024. Movement ecology, dispersal, and genetic relatedness of mountain lions (Puma concolor) in South Texas and Mexico. Texas Chapter of The Wildlife Society Annual Conference. Houston, TX. (Poster)

Petracca, L.S. 2020. The effectiveness of hazing African lions as a conflict mitigation tool: Implications for carnivore management. New York State Chapter of The Wildlife Society Annual Meeting, Fayetteville, NY. (Oral)

REGIONAL CONFERENCES

Boykin, B.K., Hansen, K.W., DeYoung, R.W., Hediger, J.A., Hilton, C.D., Moore, M.T., **Petracca, L.S.,** Sheriff, M.J., and M.J. Cherry. 2026. Evaluating common supplemental feeding strategies and their impact on deer condition in experimental enclosures. 49th Annual Southeast Deer Study Group Meeting. Roanoke, VA. (Poster)

Petracca, L.S. 2025. Mountain lion ecology in the Texas-Mexico borderlands: Challenges and opportunities. 14th Western Association of Fish and Wildlife Agencies Mountain Lion Workshop. Albuquerque, New Mexico. (Oral)

Nouzille, C.M.,* McDaniel, K.G.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Wultsch, C., Harris, G.M., Cherry, M.J., and **L.S. Petracca**. 2025. Mountain Lion (*Puma concolor*) movement around

a large anthropogenic barrier. 14th Western Association of Fish and Wildlife Agencies Mountain Lion Workshop. Albuquerque, New Mexico. (Oral)

Hediger, J.A., Moore, M.T., **Petracca**, **L.S.,** Anderson, C.C., DeYoung, C.A., Hewitt, D.G., Stedman, S.W., DeYoung, R.W., and M.J. Cherry. 2023. Antler growth dynamics of white-tailed deer. 77th Annual Meeting of the Southeastern Association of Fish and Wildlife Agencies, Corpus Christi, TX. (Oral)

NONREFEREED PRESENTATIONS

INVITED TALKS

Petracca, L.S. 2026. Opportunities and challenges for transboundary conservation of ocelots and pumas. Third National Conference on Wildlife Management and Conservation. San Luis Potosi, Mexico.

Petracca, L.S., Helferich, J.N.,* and V.L. Locke*. 2026. Advancements in ocelot research in South Texas, USA. Brasso Seco Village, Trinidad.

Petracca, L.S. 2025. A Tale of Two Cats: Ocelot and Mountain Lion Ecology in the Texas-Mexico Borderlands. Catawba College Center of the Environment Seminar Series. Salisbury, NC.

Petracca, L.S. 2025. Current and future population dynamics of the gray wolf (*Canis lupus*) in Washington State, USA. Wildlife Ecology Undergraduate Course, Catawba College. Salisbury, NC.

Petracca, L.S. 2025. The path to becoming a carnivore ecologist. Catawba College Eco Lunch Series. Salisbury, NC.

Petracca, L.S. 2024. New perspectives on ocelot and mountain lion ecology in the Texas-Mexico borderlands. Utah State University Ecology Center Spring Seminar Series. Logan, UT.

Petracca, L.S. 2024. New perspectives on ocelot and mountain lion ecology in the Texas-Mexico borderlands. Biodiversity and Conservation Graduate Course, Harte Research Institute, Texas A&M University – Corpus Christi, Corpus Christi, TX

Petracca, L.S. 2024. New perspectives on ocelot and mountain lion ecology in the Texas-Mexico borderlands. Facultad de Medicina Veterinaria y Zootecnia, Universidad Autónoma de Nuevo León. Monterrey, Mexico.

Petracca, L.S., 2024. Situación actual de los grandes depredadores y su relación con el venado cola blanca en el sur de Texas. XXV Seminario Binacional Venado Cola Blanca. Monterrey, Mexico.

Petracca, L.S. 2023. El proyecto de pumas del sur de Texas y sus implicaciones para el venado cola blanca. XXIV Seminario Binacional Venado Cola Blanca. Monterrey, Mexico.

Petracca, L.S., Gardner, B., and S.J. Converse. 2022. Optimizing range-wide monitoring strategy for tufted puffins. School of Aquatic and Fishery Sciences (SAFS) Quantitative Seminar, University of Washington, Seattle, WA.

Petracca, L.S. 2021. Chasing lions & how this can assist large-scale species conservation. Guest lecture in 80-person upper undergraduate course (RANG 374: Habitat Conservation and Management), South Dakota State University, Brookings, SD. Virtual talk.

Petracca, L.S. 2021. Novel analytical approaches in guiding big cat conservation and management. Hoch Cunningham Environmental Lecture Series, Tufts University, Medford, MA. Virtual talk.

Petracca, L.S. 2020. Novel analytical approaches in guiding big cat conservation and management. School of Aquatic and Fishery Sciences (SAFS) Quantitative Seminar, University of Washington, Seattle, WA.

Petracca, L.S. 2020. Chasing lions & how this can assist large-scale species conservation. Nicholas School of the Environment Graduate Seminar, Duke University, Durham, NC. Virtual talk.

Petracca, L.S. 2020. Chasing lions & how this can help their conservation. Draper Natural History Museum, Cody, WY. Virtual talk.

Petracca, L.S. 2019. Metapopulations and the Mesoamerican Jaguar Corridor. Nicholas School of the Environment Graduate Seminar, Duke University, Durham, NC. Virtual talk.

Petracca, L.S. October 2019. Tackling human-carnivore conflict on the African continent. Allegheny College, Meadville, PA. Virtual talk.

Petracca, L.S. November 2012 and November 2013. Geospatial initiatives at Panthera. Nicholas School of the Environment Graduate Seminar, Duke University, Durham, NC. Virtual talks.

Petracca, L.S. November 2012. The use of Geographic Information Systems (GIS) in the conservation of the world's big cat species. Environmental Studies Lunch & Learn Program, Tufts University, Medford, MA.

STUDENT SYMPOSIA

Helferich, J.N.,* and **L.S. Petracca**. 2026. Applications of spatially explicit and genetic capture-recapture in estimating density and population viability of endangered ocelots (Leopardus pardalis). Welder Research Symposium. Sinton, Texas. (Oral)

Turner, R.K.,* and **L.S. Petracca**. 2026. Evaluating the Impacts of Anthropogenic Infrastructure on South Texas Mountain Lion (Puma concolor) Ecology. Welder Research Symposium. Sinton, Texas. (Oral)

Nouzille, C.M.,* Alonso, R.S.,* McDaniel, K.G.,* Smith, M.M.,* Hewitt, D.G., Harris, G., Karelus, D., Wultsch, C., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Cherry, M.J., and **L.S. Petracca**. 2025. Effects of US-MX Border Barrier on Mountain Lion Movement Behavior. Boone and Crockett Club Annual Meeting. Phoenix, AZ. (Oral)

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Martin, A.M., Reeves, A., Scognamillo, D.G., and **L.S. Petracca**. 2024. Applying spatially explicit and genetic capture-recapture for ocelot density estimation. 2024 Welder Wildlife Foundation Research Symposium. Sinton, TX. (Oral)

Haiflich, S.M.,* Helferich, J.N.,* Hiott, A.N.,* Schofield, L., and **L.S. Petracca**. 2024. Spatiotemporal niche separation of a sympatric specialist and generalist felid in Tamaulipan thornscrub. LEADING Program Research Symposium & Career Fair. Mayaguez, Puerto Rico. (Poster)

Haiflich, S.M.,* McDaniel, K.G.,* Nouzille, C.M.,* and **L.S. Petracca**. 2024. Diet composition of mountain lions (Puma concolor) in the Southwestern United States. LEADING Hispanics Research Symposium & Career Fair. Kingsville, Texas. (Poster)

Nouzille, C.M.,* Cherry, M.J., Hewitt, D.G., and **L.S. Petracca**. 2024 Ecology and Management of Mountain Lions (Puma concolor) in South Texas. Boone and Crockett Club Spring Meeting. Grand Rapids, MI. (Oral)

PUBLIC PRESENTATIONS

Petracca, L.S. 2026. Updates from the South Texas Lion Project. South Texas Wildlife Conference. Cotulla, TX.

Petracca, L.S. 2026. Advancing lion research in South Texas. Caesar Kleberg Wildlife Research Unit Partners Reception. Houston, TX.

Petracca, L.S., Smith, M.M.,* Alonso, R.S.,* Nouzille, C.M.,* and R.K. Turner*. Updates from the CKWRI Texas Lion Project. Texas Parks and Wildlife Department Large Carnivore Technician Committee Meeting. Kingsville, TX.

Ta, T.L.,* DeYoung, R.W., Smith, M.M.,* Davis, B.W., Martinez, L.A., and **L.S. Petracca**. 2026. Genomic considerations for ocelot reintroduction and recovery. Caesar Kleberg Wildlife Research Institute Partners Reception. San Antonio, Texas.

Petracca, L.S.. 2026. Assessing and Mitigating Potential Ecological Impacts to Large Mammals in the Rio Grande Valley, Texas. A presentation to U.S. Customs and Border Protection. Kingsville, TX.

Petracca, L.S., Locke, V.L.,* Tanner, E.P., Reeves, A.M., Hilton, C.D., and J.K. Young. 2026. Prevalence of rat poisons in the carnivores of South Texas. Ocelot Conservation Day. Brownsville, Texas.

Helferich, J.N.,* and **L.S. Petracca**. 2026. Counting ocelots: challenges and opportunities in density estimation. Ocelot Conservation Day. Brownsville, Texas.

Ta, T.L.,* DeYoung, R.W., and **L.S. Petracca**. 2026. Genetics of wild and zoo-based ocelot populations in the USA. Ocelot Conservation Day. Brownsville, Texas.

Hansen, K.W., Peachey, G., DeYoung, R.W., Foley, A.M., **Petracca, L.S.**, Sawyer, J.E., Schofield, L., and M.J. Cherry. 2026. Effects of Brush Cover on Interactions Between White-tailed Deer and their Competitors. Deer Research Associates Meeting. San Antonio, TX.

Petracca, L.S. 2026. South Texas Endangered Ocelot Protection and Recovery. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Petracca, L.S.. 2026. Assessing and Mitigating Potential Ecological Impacts to Large Mammals in the Rio Grande Valley, Texas. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Petracca, L.S., Hiott, A.N.,* and A.M. Martin. 2026. Habitat selection and contact rates of ocelots and bobcats in thornscrub habitat. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Alonso, R.S.,* Nouzille, C.M.,* McDaniel, K.G.,* Turner, R.K.,* Cherry, M.J., and **Petracca, L.S.** 2026. STXLP capture program: successes, challenges, next steps. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Collins, T.C.,* Smith, M.M.,* Hewitt, D.G., Montalvo, A.B., and **L.S. Petracca**. 2026. Assessment of prey availability and dietary niche among competitors in a pre-reintroduction landscape. A presentation to the U.S. Fish and Wildlife Service. Port Mansfield, Texas.

Helferich, J.N.,* DeYoung, R.W., Gardner, B., Reeves, A.M., and **L.S. Petracca**. 2026. Density estimation of ocelots in South Texas. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Locke, V.L.,* Tanner, E.P., Reeves, A.M., Hilton, C.D., Young, J.K., and **L.S. Petracca**. 2026. The missing link: assessing reproduction in bobcats & ocelots. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Nouzille, C.M.,* Alonso, R.S.,*Turner, R.T.,* Cherry, M.J., Smith, M.M.,* and **L.S. Petracca**. 2026. Evaluating Impacts of the USA-Mexico Border Barrier and Testing Mitigation Strategies. A presentation to the U.S. Fish and Wildlife Service. Kingsville, Texas.

Smith, M.M.,* Reeves, A.M., and **L.S. Petracca**. 2026. Impacts of drought on ocelots and other carnivores in South Texas. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Ta, T.L.,* DeYoung, Smith, M.M.,* R.W., Davis, B.W., Martinez, L.A., and **L.S. Petracca**. 2026. Genomic considerations for ocelot reintroduction and recovery. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Turner, R.T.,* Cherry, M.J., Smith, M.M.,* and **L.S. Petracca**. 2026. Evaluating Impacts of the USA-Mexico Border Barrier and Testing Mitigation Strategies. A presentation to the U.S. Fish and Wildlife Service. Kingsville, Texas.

Yorke, K.N.,* Forrester, T.D., Schofield, L., and **L.S. Petracca**. 2026. An assessment of carnivore competition in an ocelot reintroduction landscape. A presentation to the U.S. Fish and Wildlife Service. Port Mansfield, Texas.

McGovern, K.N., **Petracca, L.S.,** Unger, A.M., and E.P. Tanner. 2026. Ocelot habitat connectivity to inform thornscrub restoration. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Rued, M., Reeves, A.M., **Petracca, L.S.,** Kozakiewicz, C.P., Tewes, M.E., and A.M. Martin. Disease exposure and transmission dynamics among ocelots and mesocarnivores in South Texas. A presentation to the U.S. Fish and Wildlife Service. Kingsville, TX.

Sweeten, L.D., Tanner, E.P., Tanner, A.M., McKinney, C.M., Travis, K.A., Ramos-Gonzalez, M., Hernandez, F., Brennan, L.A., Hewitt, D.G., Luna, R.S., McLaughlin, J., Perotto-Baldivieso, H.L., and **L.S. Petracca**. 2026. Drought and temperature effects on survival of South Texas quail species. South Texas Quail Coalition Meeting. Kingsville, TX.

Petracca, L.S., and C. Camp-Pappas. 2026. Assessing and Mitigating Potential Ecological Impacts to Large Mammals in the Rio Grande Valley, Texas. A presentation to mountain lion and bear contract partners at the Texas Chapter of The Wildlife Society Annual Meeting. Galveston, TX.

Petracca, L.S. 2026. South Texas Endangered Ocelot Protection and Recovery. A presentation to ocelot contract partners at the Texas Chapter of The Wildlife Society Annual Meeting. Galveston, TX.

Petracca, L.S. 2025. Mountain lion ecology in the South Texas Borderlands. 2025 Southwest Texas Land & Wildlife Summit. Del Rio, TX.

Petracca, L.S. 2025. Mountain lion ecology in the South Texas Borderlands. Caesar Kleberg Wildlife Research Institute Partner Reception. San Antonio, TX.

Petracca, L.S.. and A.M.V Dutt. 2025. Assessing and Mitigating Potential Ecological Impacts to Large Mammals in the Rio Grande Valley, Texas. USFWS Border Wall Collaborator Meeting. Denton, TX.

Petracca, L.S.. 2025. Mountain Lion Ecology in the South Texas Borderlands. Wildlife and Natural Resources Seminar, San Antonio Stock Show & Rodeo. San Antonio, TX.

Petracca, L.S., and C.M. Nouzille*. 2025. Mountain lion ecology in the South Texas Borderlands. 40th Annual Texas Wildlife Association Convention. San Antonio, TX.

Bostwick, T.A.,* DeYoung, R.W., Reeves, A.M., Martin, A.M., and **L.S. Petracca**. 2025. Genomic Insights into Endangered Ocelot Populations to Inform Recovery. Species Survival Plan (SSP) and Saving Animals From Extinction (SAFE) Ocelot Program Meeting. Remote.

Petracca, L.S., Bostwick, T.A.,* and J.N. Helferich*. 2025. Informing Ocelot Conservation with Science. Ocelot Conservation Day. Brownsville, Texas.

Petracca, L.S., Bostwick T.A.,* Hiott A.N.,* Helferich J.N.,* Smith M.M.,* and V.L. Locke*. 2025. Ocelot Research at CKWRI. Friends of Laguna Atascosa National Wildlife Refuge. Remote.

Bostwick, T.A.,* DeYoung, R.W., Smith, M.M.,* Martin, A.M., Reeves, A.M., and **L.S. Petracca**. 2025. Genomic Insights into Endangered Ocelot Populations to Inform Recovery. United States Fish and Wildlife ESA Section 4 Meeting. Remote.

Hediger, J.A., **Petracca, L.S.**, Moore, M.T., Anderson, C.C., DeYoung, C.A., Hewitt, D.G., Stedman, S.W., DeYoung, R.W., and M.J. Cherry. 2025. The Role of DMP in Deer Management. Caesar Kleberg Wildlife Research Institute Partners Reception. San Antonio, TX.

Petracca, L.S. 2024. Mountain Lion Ecology in the South Texas Borderlands. South Texas Wildlife Conference. Pleasanton, TX.

Petracca, L.S., and A.M.V. Dutt. Assessing and mitigating potential ecological impacts to large mammals from border barrier system construction and installation in South Texas, USA. 2024. USFWS Texas Border Wall Research Partner Meeting. Santa Ana NWR, TX.

Reeves, A.M., **Petracca, L.S.**, and R.R. Lopez. 2024. South Texas Endangered Ocelot Protection and Recovery. USFWS Texas Border Wall Research Partner Meeting. Santa Ana NWR, TX.

Petracca, L.S., Gardner, B., Maletzke, B.T., and S.J. Converse. 2024. Use of a spatially explicit projection model to assess population dynamics of the gray wolf (Canis lupus) in Washington State, USA. TAMUK Wildlife and Agriculture Graduate Student Organization Eco-Lunch Presentation. Kingsville, TX.

Alonso, R.S., McDaniel, K.G., Nouzille, C.M.,* Cherry, M.J., and **L.S. Petracca**. 2024. Ecology and Management of Mountain Lions (Puma concolor) in South Texas. Chaparral WMA Field Day. Chaparral WMA, TX.

Hediger, J.A., Moore, M.T., **Petracca, L.S.,** Anderson, C.C., DeYoung, C.A., Hewitt, D.G., Stedman, S.W., DeYoung, R.W., and M.J. Cherry. 2024. The effects of early-life conditions on antler growth and senescence in white-tailed deer. Caesar Kleberg Wildlife Research Institute Deer Research Meeting, San Antonio, TX.

Hediger, J.H., DeYoung, R.W., Hewitt, D.G, Hilton, C.D., **Petracca, L.S.,** Sheriff, M.J., and M.J. Cherry. 2024. Optimizing Management for Deer Productivity. Caesar Kleberg Wildlife Research Institute Partner Reception. Houston, TX.

Locke, V.L.,* Tanner, E.P., Hilton, C.D., Reeves, A.M., Young, J.K., and **L.S. Petracca**. 2024. Ocelot and bobcat kitten survival and den site selection. Caesar Kleberg Wildlife Research Institute Partner Reception. Houston, TX.

McDaniel, K.G.,* Nouzille, C.M.,* Alonso, R.S.,* Cherry, M.J., and **L.S. Petracca**. 2024. Ecology and Management of Mountain Lions (Puma concolor) in South Texas. Texas Parks and Wildlife Department District 11 Meeting. Kingsville, TX.

McDaniel, K.G.,* Nouzille, C.M.,* Alonso, R.S.,* Cherry, M.J., and **L.S. Petracca**. 2024. Ecology and Management of Mountain Lions (Puma concolor) in South Texas. Dimmit County Landowners' Meeting. Carrizo Springs, TX.

McDaniel, K.G.,* Cherry, M.J., Nouzille, C.M.,* Alonso, R.S.,* Hewitt, D.G., DeYoung, R.W., Heffelfinger, L.J., Hilton, C.D., Karelus, D.L., Harris, G.M., and **L.S. Petracca**. 2024. Introduction to the South Texas Lion Project. Caesar Kleberg Wildlife Research Institute Partners Reception. San Antonio, TX.

Petracca, L.S. 2023. The South Texas Lion Project. Joint meeting of TPWD, CKWRI, and Sul Ross. Del Rio, TX.

Petracca, L.S. 2023. A new paradigm for ocelot recovery in the United States. Caesar Kleberg Wildlife Research Institute Partner Reception. Houston, TX.

Petracca, L.S. 2023. A roadmap for ocelot recovery in the United States. Presentation to TAMU Regent John Bellinger. Kingsville, TX.

Petracca, L.S. 2023. Me, my work, and the ocelots of South Texas. Presentation to the CKWRI Advisory Board. Kingsville, TX.

Petracca, L.S. 2023. A quantitative lens to explore spatial and population ecology: A chat with WAGSO. Presentation to the Wildlife and Agriculture Graduate Student Organization. Kingsville, TX.

Petracca, L.S. 2010. Use of site occupancy modeling to delineate a jaguar corridor in southern Belize. Nicholas School Masters of Environmental Management Symposium, Duke University, Durham, NC.

THREE-MINUTE THESIS PRESENTATIONS

Collins, T.C.,* Smith, M.M.,* and **L.S. Petracca**. 2026 Nature's buffet. Private Lands Summit TWA Convention. San Antonio, TX.

Helferich, J.N.,* and **L.S. Petracca**. 2026. How many ocelots are left in Texas? Private Lands Summit TWA Convention. San Antonio, TX.

Locke, V.L.,* and **L.S. Petracca**. 2026. Rat poisons isn't just for rats. Private Lands Summit TWA Convention. San Antonio, TX.

Ta, T.L.,* and **L.S. Petracca**. 2026. Crossbreeding: the key to ocelot recovery?. Private Lands Summit TWA Convention. San Antonio, TX.

Yorke, K.N.,* and **L.S. Petracca**. 2026. Wild rivalries: How wildlife coexist. Private Lands Summit TWA Convention. San Antonio, TX.

Bostwick, T.A.,* and **L.S. Petracca**. 2025. Reading records stored in DNA: the troubled past and changing future of ocelots in South Texas. Private Lands Summit TWA Convention. San Antonio, TX.

Hiott, A.N.,* Martin, A.M., and **L.S. Petracca**. 2025. Understanding Disease Transmission Between Wild Felids. Private Lands Summit TWA Convention. San Antonio, TX.

Bostwick, T.A.,* and **L.S. Petracca**. 2024. Under the hood: Using Genomics to Inform Ocelot Conservation. Private Lands Summit TWA Convention. San Antonio, TX.

Bostwick, T.A.,* and **L.S. Petracca**. 2024. Genetic Diversity of the Federally Endangered Ocelots of South Texas. TAMUK College of Graduate Studies Three Minute Thesis Competition. Kingsville, TX.

Locke, V.L.,* and **L.S. Petracca**. 2024. Kitten Survival and Reproduction of Bobcats and Ocelots. Private Lands Summit TWA Convention. San Antonio, TX.

Helferich, J.N.,* and **L.S. Petracca**. 2024. Applications of spatially explicit and genetic capture-recapture in estimating density of endangered ocelots (Leopardus pardalis). TAMUK College of Graduate Studies Three Minute Thesis Competition. Kingsville, TX.

Hiott, A.N.,* Martin, A.M., and **L.S. Petracca**. 2024. Understanding Disease Transmission Among Domestic and Wild Cat Species. Private Lands Summit TWA Convention. San Antonio, TX.

HONORS AND AWARDS

ACADEMIC AWARDS

Junior Research Award, Dick and Mary Lewis Kleberg College of Agriculture and Natural Resources	2024
Robert L. Burgess Outstanding Doctoral Scholar Award*, SUNY-ESF	2018
*awarded to the most accomplished doctoral student at the culmination of their program	
Wilford A. Dence Fellowship for Excellence in Wildlife Science*, SUNY-ESF	2017
*awarded to the top SUNY-ESF graduate student in the wildlife sciences	
National Science Foundation Graduate Research Fellowship Program, Honorable Mention	2016
Ford Foundation Fellowship Program Predoctoral Competition, Honorable Mention	2016
Best Speed Talk, Student Conference on Conservation Science, New York, NY	2015
Class of 2010 Commencement Speaker, Nicholas School of the Environment, Duke University	2010
Phi Beta Kappa Honor Society, Tufts University	2006
Psi Chi Honor Society, Tufts University	2006
Dean's List, Tufts University	2002-2006

ACADEMIC FELLOWSHIPS, SCHOLARSHIPS AND SMALL GRANTS

Kaplan Graduate Research Award, Panthera, 2016-2018	$15,000
Alumni Association Graduate Student Grant, SUNY-ESF, 2016-2017	$1,900
Graduate Student Association (GSA) Research Grant, SUNY-ESF, 2017	$500
Office of Instruction & Graduate Studies (OIGS) Travel Grant, SUNY-ESF, 2016-2017	$1,250
Graduate Student Association (GSA) Travel Grant, SUNY-ESF, 2015-2016	$500
Doris Duke Conservation Fellowship, Doris Duke Charitable Foundation, 2009-2010	$35,000
SIDG-Lazar Foundation Research Grant, Duke University, 2009	$300
Nicholas School International Internship Fund Research Grant, Duke University, 2009	$500
Nicholas School of the Environment Merit Scholarship, Duke University, 2008-2010	$30,000
Andrew Mellon Scholarship, Duke University, 2008-2010	$4,000
Tufts Summer Scholars Research Grant, Tufts University, 2005	$4,500

PROFESSIONAL GROWTH AND ACTIVITIES

MEMBERSHIP IN PROFESSIONAL SOCIETIES

IUCN SSC Cat Specialist Group, member	2023-present
Texas Chapter of The Wildlife Society, member	2023-present
The Wildlife Society, member	2015-present
American Society of Mammalogists, member	2023-present
Society for Conservation Biology, member	2010-2019, 2024-present

LEADERSHIP IN PROFESSIONAL SOCIETIES

Invited member, Cat Mapping Working Group of the IUCN SSC Cat Specialist Group	2023-2025

EDITORIAL BOARDS

Associate Editor, *Animal Conservation*	2020-present

PEER REVIEW WORK

Peer reviewer for *Trends in Ecology and Evolution, Conservation Biology, Conservation Letters,*	2013-present

Ecological Applications, Global Change Biology, Biological Conservation, Journal of Applied Ecology, Philosophical Transactions of the Royal Society B, Diversity and Distributions, Animal Conservation, Ecosphere, Oikos, Scientific Reports, Global Ecology and Conservation, Journal of Wildlife Management, Journal of Mammalogy, Nature Ecology & Evolution, Conservation Science and Practice, Landscape Ecology, Oryx, Ecological Solutions and Evidence, PLOS ONE, CATnews, Environmental Monitoring and Assessment, European Journal of Wildlife Research, Human Dimensions of Wildlife, Journal for Nature Conservation, Wildlife Society Bulletin, Wildlife Research, PeerJ, African Journal of Ecology, Tropical Conservation Science

SERVICE

ACADEMIC COMMITTEES

Bold Step 3 Committee: Drive Faculty and Staff Success, College of Agriculture, TAMUK	2026-present
4DX Degree Marketing Committee, RWSC Department, TAMUK	2026-present
Retention Action Committee, TAMUK	2026-present
Caring Campus Faculty Committee, TAMUK	2025-present
Masters Bypass Action Committee, RWSC Department, TAMUK	2024-2026
Search Committee, Assistant/Associate Professor in Quantitative Ecology, RWSC Department, TAMUK	2025-2026
Student Rating of Instruction (SRI) Review Committee, TAMUK	2024-2025
Agricultural Olympics Planning Committee, College of Agriculture, TAMUK	2024-2025
Bold Step 3 Strategic Planning Committee, RWSC Department, TAMUK	2023-2025
Awards Committee, College of Agriculture, TAMUK	2025
Hiring Committee, Research Associate, Tanner Lab, RWSC Department, TAMUK	2025
Search Committee, Assistant/Associate Professor in Geospatial Sciences and Remote Sensing, RWSC Department, TAMUK	2023-2024
Hiring Committee, Research Assistant Professor, Patton Center for Deer Research, RWSC Department, TAMUK	2024
Equity and Inclusion Committee, School of Aquatic and Fishery Sciences, University of Washington	2021-2022
Search Committee, Camp Fire Professor of Wildlife Conservation, State University of New York College of Environmental Science and Forestry	2018

STUDENT RESEARCH

GRADUATE STUDENTS

CURRENT TAMUK GRADUATE ADVISING (N = 10; 6 M.S., 4 Ph.D.)

Saroj Panthi. Ph.D. Program. 2026-present. Texas A&M University – Kingsville. Density estimation of mountain lions (*Puma concolor*) in Val Verde County, Texas.

Mikenzie Mathis. M.S. Program. 2026-present. Texas A&M University – Kingsville. Noninvasive monitoring of mountain lions (*Puma concolor*) in Val Verde County, Texas. Co-advised with Dr. Matt Smith.

Tori Locke. Ph.D. Program. 2026-present. Texas A&M University – Kingsville. Ocelot reproduction and kitten survival in South Texas.

Kyle Yorke. M.S. Program. 2025-present. Texas A&M University – Kingsville. Carnivore spatial ecology in a pre-reintroduction landscape.

Truman Collins. M.S. Program. 2025-present. Texas A&M University – Kingsville. Carnivore dietary niche differentiation in a pre-reintroduction landscape. Co-advised with Dr. Matt Smith.

Tam Ta. M.S. Program. 2025-present. Texas A&M University – Kingsville. Ocelot genomics to inform reintroduction efforts. Co-advised with Dr. Randy DeYoung.

Raymond Turner. M.S. Program. 2025-present. Texas A&M University – Kingsville. Impacts of linear infrastructure on mountain lions in the Texas-Mexico borderlands.

James Helferich. Ph.D. Program. 2023-present. Texas A&M University – Kingsville. Comparative analysis of density estimation methods for ocelots in South Texas.

Zachary Wardle. M.S. Program. 2023-present. Texas A&M University – Kingsville. Spatial and movement ecology of the Florida panther.

Chloe Nouzille. Ph.D. Program. 2023-present. Texas A&M University – Kingsville. Population status and foraging ecology of mountain lions in South Texas. Co-advised with Dr. Michael Cherry.

COMPLETED TAMUK GRADUATE STUDENTS (N = 4; 4 M.S.)

Katie McDaniel. M.S. Program. 2023-2026. Texas A&M University – Kingsville. Mountain lion (*Puma concolor*) presence and genetics in the context of the Texas-Mexico border barrier system.

Victoria Locke. M.S. Program. 2023-2025. Texas A&M University – Kingsville. Ocelot (*Leopardus pardalis*) survival and toxicity-related threats to survival in South Texas, USA.

Alexandria Hiott. M.S. Program. 2023-2025. Texas A&M University – Kingsville. Implications of potential disease transmission pathways to endangered ocelots (*Leopardus pardalis*) in South Texas. Co-advised with Dr. Alynn Martin.

Tyler Bostwick. M.S. Program. 2023-2025. Texas A&M University – Kingsville. Genomic insights into endangered ocelot (*Leopardus pardalis*) populations to inform species recovery.

CURRENT TAMUK GRADUATE COMMITTEES (N = 5; 4 Ph.D., 1 M.S.)

Marianna Wharff. M.S. Program. 2025-present. Texas A&M University – Kingsville. Effects of urbanization on the movement of white-winged doves in Texas.

Kyndra McGovern. Ph.D. Program. 2025-present. Texas A&M University – Kingsville. Tamaulipan thornscrub restoration in the Lower Rio Grande Valley.

Breanna Green. Ph.D. Program. 2025-present. Texas A&M University – Kingsville. White-tailed deer thermal regulation.

Marlin Dart. Ph.D. Program. 2023-present. Texas A&M University – Kingsville. Movement ecology of pronghorn in Oklahoma.

Joseph Hediger, DVM. Ph.D. Program. 2023-present. Texas A&M University – Kingsville. The influence of early life conditions on white-tailed deer anatomy, physiology, and life history traits.

COMPLETED TAMUK STUDENT COMMITTEES (N = 1; 1 M.S.)

Levi Sweeten. M.S. Program. 2024-2026. Texas A&M University – Kingsville. Assessing landscape connectivity and drivers of survival of rangeland quail species.

COMPLETED NON-TAMUK STUDENT COMMITTEES (N = 4; 1 Ph.D., 3 M.S.)

Emily Madsen. Ph.D. Program. 2022-2026. Oxford University. Oxford, UK. In the shadow of big cats: how intraguild interactions and anthropogenic pressures influence medium carnivores in East African savannahs.

Karma Choki. M.S. Program. 2023-2025. South Dakota State University. Brookings, SD. The influence of carnivore guild structure and anthropogenic activity on common leopard.

Sandy Slovikosky. M.S. Program. 2020-2023. State University of New York College of Environmental Science and Forestry. Syracuse, NY. A global assessment of drivers of carnivore-human conflict and leopard (*Panthera pardus*) density.

Daisy de Fatima Sanchez Mosqueda. M.S Program. 2020-2023. State University of New York College of Environmental Science and Forestry. Syracuse, NY. A nationwide connectivity assessment for jaguar (*Panthera onca*) in Peru.

UNDERGRADUATE STUDENTS

CURRENT TAMUK UNDERGRADUATE ADVISING

Levis Vasquez. Undergraduate. 2025-present. Texas A&M University – Kingsville. LEADING Program. Effectiveness of visual versus olfactory cues in detecting carnivore species on game cameras.

TAMUK UNDERGRADUATE ALUMNI

Shayla Haiflich. Undergraduate. 2023-2025. Texas A&M University – Kingsville. LEADING Program
Project 1: Diet composition of mountain lions in South Texas
Project 2: Spatiotemporal niche separation of a sympatric specialist and generalist felid in Tamaulipan thornscrub

NON-TAMUK COMPLETED UNDERGRADUATE ADVISING

Tam Ta. Undergraduate. 2021-2024. University of Washington. Seattle, WA.
Project 1: Impacts of housing and road density on carcass visitation by mountain lions in northeast Washington, USA
Project 2: Assessment of reproduction in wolf packs in Washington State, USA, via camera trap imagery

Caitlyn Bell. Undergraduate. 2021-2022. University of Washington. Seattle, WA. Potential drivers of wolf territory size in Washington State.

ADDITIONAL SKILLS

Languages: English (native), Spanish (intermediate), Marshallese (intermediate), Swahili (basic, formerly intermediate).

Computer programs/languages: R, JAGS, NIMBLE, WinBUGS, Google Earth Engine, ArcGIS, ERDAS Imagine, PRESENCE, MARK, Distance, Maxent, Fragstats, Adobe Illustrator.

Other: Have conducted research in or traveled to over 35 countries and gained global perspective on the challenges of international conservation efforts.

REFERENCES

Sarah Converse, Unit Leader, Washington Cooperative Fish and Wildlife Research Unit and Associate Professor, School of Aquatic and Fishery Sciences, University of Washington, Seattle, WA. Postdoctoral Research Advisor. sconver [at] uw.edu

Jacqueline Frair, Professor and Director, Roosevelt Wildlife Station, State University of New York College of Environmental Science and Forestry, Syracuse, NY. Doctoral Advisor. jfrair [at] esf.edu

Beth Gardner, Associate Professor and Director, Center for Quantitative Sciences, School of Environmental and Forest Sciences, University of Washington, Seattle, WA. Postdoctoral Research Advisor. bg43 [at] uw.edu

Luke Hunter, Executive Director, Big Cats Program at Wildlife Conservation Society, New York, NY. Former work supervisor. lhunter [at] wcs.org