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resource selection, habitat restoration, intraguild interactions, and genomics for carnivores in South Texas and beyond. Ocelot recovery work will be done in partnership with the East Foundation.

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. 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) second project, in collaboration with US Fish and Wildlife Service (USFWS), focused on the optimization of tufted puffin monitoring across their North American range.

<p>Graduate Researcher Jan 2010 May 2010</p>	<p>Big Cats Initiative (BCI), Duke University, Durham, NC Served on a team of graduate students that produced contributions ^{contributions} 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.</p>
<p>Jaguar Corridor Initiative Project Manager Jun 2009 Aug 2009</p>	<p>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.</p>
<p>Co-Coordinator, Student International Discussion Group Sep 2008 May 2009</p>	<p>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.</p>
<p>High School Science Instructor Aug 2007 May 2008</p>	<p>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.</p>
<p>Primary School English</p>	<p>Marshall Islands Ministry of Education, (d,.7 ()TJ t .)- h08 0.5 (08)0roocor 9as(of)</p>

wildlife field methods. Techniques included radiotelemetry, small mammal trapping 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 (metapopulation communities and biodiversity, and ecosystem processes). Graded course assignments and assisted students with conceptual understanding

INSTRUCTED WORKSHOPS

- Petracca, L.S., Hernández-Portosme, S., Obarrio, L., Salom-Pérez, R., Quigley, H., and Robinson, H.S. 2014. Agricultural encroachment and lack of enforcement threaten connectivity of jaguar *Panthera onca* corridor. *Journal for Nature Conservation* 22(5), 436-444. <https://doi.org/10.1016/j.jnc.2014.04.002>
- Cuyckens, G.A.E., Falke, F., and Petracca, L.S. 2018. Jaguar *Panthera onca* on its southernmost range: use of a corridor between Bolivia and Argentina. *Endangered Species Research* 28:167-177. <https://doi.org/10.3354/esr00640>
- Petracca, L.S., Ramirez-Bravo, O.E., and Hernandez-Santin, L. 2013. Occupancy estimation of jaguar *Panthera onca* assess the value of east-central Mexico as a jaguar corridor. *Oryx* 48(1), 03-10. <https://doi.org/10.1017/S0030605313000069>
- Jacobson, A.P., Cattau, M.E., Riggio, J.S., Petracca, L.S., and Fedak, D.A. 2013. Distribution and abundance of lions in northwest Tete Province, Mozambique. *Tropical Conservation Science* 6(1):67-71. <https://doi.org/10.1177/194008291300600110>

NONREFEREED ARTICLES

- Petracca, L.S. 2023 Ocelots in South Texas: Coming Back from the Brink. *Kleberg Tracks*. Fall 2023.
- Petracca, L.S. 2023 Renewed Hope for South Texas Ocelots. *Wildlife Magazine*. August 2023.
- Petracca, L.S. 2017 Jaguar habitat use outside protected areas in Central America: accounting for the detection process generates new insights. *The Applied Ecology List*
- Funston, P., Henschel, P., Petracca, L., McLennan, S., Whitesell, C., Fabiano, E., and I. Castro. The distribution and status of lions and other large carnivores in Luangwa and Mavinga National Parks, Angola. 2017. Report for Secretariat Kavango-Zambezi Transfrontier Conservation Area, Kasabie, Botswana

PRESENTATIONS

del amplio rango. Simposio Internacional Conservación Felina en América Central y el Caribe, Costa Rica Oral presentation (in Spanish).

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

Petracca, L.S., Carazo, J., Castañeda, F., Che, C., Corrales, D., Hernandez-Potosme, S., Herrera, L., Obando, L., Olmos, M., Pereira, S., Quigley, H., Ruano, G.P., Soto, R., and Urbina, Y. 2012. La Iniciativa del Corredor del Jaguar: Una Actualización para Mesoamérica. Annual Meeting of the Society of Mesoamerican Biologists. Mérida, México Oral presentation (in Spanish).

NATIONAL CONFERENCES

Petracca, L.P.

Hediger, J.A., M.T. Moore,

FELLOWSHIPS, SCHOLARSHIPS AND SMALL GRANTS

Kaplan Graduate Research Award, Panthera, 2016-2018	\$15,000
Alumni Association Graduate Student Grant, SUNY 2017	\$1,900
Graduate Student Association (GSA) Research Grant, SUNY	\$500
Office of Instruction & Graduate Studies (OIGS) Travel Grant, SUNY 2017	\$1,250
Graduate Student Association (GSA) Travel Grant, SUNY 2015-2016	\$500
Doris Duke Conservation Fellowship, Doris Duke Charitable Foundation, 2009	\$35,000
SIDGLazar 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	\$30,000
Andrew Mellon Scholarship, Duke University, 2008	\$4,000
Tufts Summer Scholars Research Grant, Tufts University, 2005	\$4,500

PROFESSIONAL GROWTH AND ACTIVITIES 181 ()-3181 ()-3181 ()-3181 ()TJ-0.001 To

STUDENT RESEARCH

GRADUATE STUDENTS

CURRENT TAMUK GRADUATE ADVISING

Tyler Bostwick. M.S. Program. 2023-present. Texas A&M University Kingsville. Informing recovery: Genomic insights into endangered felid populations.

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

Tori Locke. M.S. Program. 2023-present. Texas A&M University Kingsville. Ocelot reproduction and kitten survival in South Texas.

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

Alexandria Hiott. M.S. Program. 2023-present. Texas A&M University Kingsville. Movement ecology and disease transmission among ocelots, bobcats, and domestic cats. Co-advised with Dr. Alynn Martin.

Katie McDaniel. M.S. Program. 2023-present. Texas A&M University Kingsville. Population structure and dispersal ecology of mountain lions in South Texas. Co-advised with Dr. Michael Cherry.

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

CURRENT TAMUK GRADUATE COMMITTEES

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

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

CURRENT NON-TAMUK GRADUATE COMMITTEES

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

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

COMPLETED NON-TAMUK STUDENT COMMITTEES

Sandy Slovikosky. M.S. Program. 2020-2023. State University of New York College of Environmental Science and Forestry, Syracuse, NY. Global assessment of drivers of 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 of jaguar (*Panthera onca*) in Peru.

UNDERGRADUATE STUDENTS

CURRENT TAMUK UNDERGRADUATE ADVISING

Shayla Haiflich. Undergraduate. 2023-present. Texas A&M University Kingsville. LEADING Hispanics Program. Diet composition of mountain lions in South Texas.

CURRENT NON-TAMUK UNDERGRADUATE ADVISING

Tam Ta. Undergraduate. 2021-present. 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

COMPLETED NON-TAMUK UNDERGRADUATE ADVISING

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), Mandarin (intermediate), Swahili (basic/formerly intermediate).

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

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

REFERENCES

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

Jacqueline Frair, Professor and Director, Roosevelt Wildlife Station, State University of New York College of Environmental 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. bethg43

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