

Lauren Hennelly

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Mammalian Ecology and Conservation Unit
University of California, Davis
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EDUCATION **University of California, Davis, Davis, CA** 2016 - Current
Ph.D Candidate, Ecology

University of Wisconsin, Madison, Madison WI May 2013
B.S., Evolutionary Biology, honors in Research
- Ceiba Foundation for Tropical Conservation (Ecuador), Spring 2012
- Thesis: *Ecological and Phylogenetic Influences on Vertebrate Eye Morphology*

FELLOWSHIPS

2017. National Science Foundation Graduate Research Fellowship \$132,000
2016. UC Davis Graduate Group in Ecology Fellowship \$62,000
2014. U.S. Fulbright Student Research Fellowship to India \$24,000
2012. Hildale Undergraduate/Faculty Research Fellowship \$4,000

GRANTS

2018. Rufford Foundation Small Grant - CoPI with Hira Fatima \$5,532
2018. The Alongside Wildlife Foundation \$380
2017. UK Wolf Conservation Trust Research Grant \$4,200
2017. Explorer's Club Exploration Fund Grant \$1,000
2016. National Science Foundation Graduate Research Fellowship Honorable Mention
2016. UK Wolf Conservation Research Grant \$5,000
2013. Irving W. Gerhardt Conservation Biology Scholarship \$1,000
2012. Center for Limnology Chase Noland Award \$2,000

RESEARCH PUBS

6. Mahmood T, I Rafaqat, **LM Hennelly**, H Fatima, F Akrim, MR Khan, A Hamid, S Andleeb, IU Zaman. *In prep.* Phylogenetic status, diet composition, and distribution of the Kashmir red fox inhabiting Ayubia National Park, Pakistan.

5. Sadhukhan S, **LM Hennelly**, B Habib. *Accepted with revision.* Characterising the vocal repertoire of the Indian wolf (*Canis lupus pallipes*). Plos One. Archived on BioRxiv

4. Weyna A, RR Dubielzig, **LM Hennelly**. *Accepted with revision.* The relative importance of phylogeny and habitat in determining the presence and prominence of a granula iridica in hooved mammals. *Veterinary Ophthalmology*

3. Hamid A, T Mahmood, H Fatima, **LM Hennelly**, R Akrim, A Hussain, M Waseem. 2019. Origin, ecology, and human conflict of grey wolf (*Canis lupus*) in Suleiman Range, South Waziristan, Pakistan. *Mammalia*.

2. **Hennelly LM**, B Habib, H Root-Gutteridge, V Palacios, D Passilongo. 2017. Howl variation across Himalayan, North African, Indian and Holarctic wolf clades: tracing divergence in the worlds oldest wolf lineages using acoustics. *Current Zoology* 63(3): 341-348
- Covered in an *LiveMint Magazine*, based in India

1. **Hennelly LM** B Habib, and S Lyngdoh. 2015. Himalayan wolf and feral dog displaying mating behavior from Spiti Valley, India and potential conservation threats from sympatric feral dogs. *Canid Biology Conservation* 18(9): 33-36.

**POPULAR
SCIENCE
PUBS**

Hennelly LM. 2018. The little-known wolves of South Asia. UK Wolf Conservation Trusts Wolf Print Magazine. March 2018 Issue, pages 26-28

Hennelly LM. Chasing Shanku: wolf research in the High Himalaya. International Wolf Magazine. Summer 2015 issue, pages 12-13.

Hennelly LM. Chasing Shanku: wolf research in the High Himalaya. UK Wolf Conservation Trusts Wolf Print Magazine (reprint from International Wolf Magazine). Summer 2017.

Hennelly LM 2015 Hybridisation threat in the Himalaya. Conservationindia.org.

**PROFESSIONAL
PRESENTATIONS**

Hennelly LM. March 2019. *Collaboration across borders: Evolution, ecology, and conservation of wolves in Asia.* Oral Presentation. Discover your Niche: Wildlife Professional Development Conference, University of California, Davis. **Invited Speaker.**

Hennelly LM. February 2019. *Evolution, ecology, and conservation of wolves in Asia.* Oral Presentation. Wildlife Fish and Conservation Department Seminar, University of California, Davis, Davis, CA.

Shrotriya S, Habib B, Jhala YV, Lyngdoh S, Reshamwala H, Sadhukhan S,
Hennelly LM. September 2017. *Mountains to grasslands: insights into wolf ecology and conservation in India.* Oral Presentation. 31st Annual Research Seminar. Wildlife Institute of India. Dehradun, India.

Hennelly LM. March 2015. *Howls of India: Assessing endangered wolf populations through howl surveys.* Presentation at the Fulbright South and Central Asia Conference. Hyderabad, India

Hennelly, LM. May 2013. *What Eye Learned: Phylogenetic and Ecological Influences on Vertebrate Eye Morphology.* Presentation at the Undergraduate Symposium. University of Wisconsin-Madison, Madison WI.

Hennelly LM. Feb 2013. *Phylogenetic and Ecological Influences on Vertebrate Eye Morphology.* Presentation at the Department of Pathobiological Sciences Seminar, University of Wisconsin-Madison, Madison WI.

Hennelly LM. Aug 2011. *Ecology and Evolution of Neotropical Bats and Rodents.* Presentation at the Undergraduate Research Symposium. Field Museum of Natural History, Chicago IL.

Hennelly LM. May 2010. *Evaluating Variations in Morphological Evolutionary Rates between Island and Mainland Species.* Poster at the Undergraduate Research Symposium, University of Wisconsin-Madison.

RESEARCH EXPERIENCE

May - Aug 2016	Project Biologist. <i>Wood River Wolf Project</i> , Hailey Idaho. Worked collaboratively with sheep operators and shepherds to apply non-lethal measures to reduce livestock depredation by wolves. This involved conducting training sessions and outreach with shepherds on using nonlethal techniques, conducting camera trap and wolf howl surveys, and interviewing shepherds in Spanish on large carnivore conflict.
Oct 2015 - May 2016	Research Technician. <i>Wyoming Cooperative Fish and Wildlife Research Unit</i> . Used GIS and R to map Mule Deer migration routes across the Wyoming landscape, aided in report writing, captured and radio collared mule deer, radiotelemetry of mule deer fawns. Helped design outreach maps and background research for outreach material.
Aug 2011 - Oct 2015	Student Researcher. <i>Center for Limnology, UW-Madison</i> . Measured eye morphology from 220 species, collected ecological information, constructed a phylogenetic tree to compare the relative strength of ecological versus phylogenetic influences on eye morphology using phylogenetic comparative methods.
July 2014 - May 2015	Fulbright Scholar. <i>Wildlife Institute of India, Dehradun, India</i> . Assessed the use of howl survey to aid in wolf population monitoring, recorded howls from wild Himalayan wolves in Ladakh and Spiti Valley, wild Indian wolves in Maharashtra, and captive wolves from zoos. Analyzed individual, group, and subspecies differences in howl acoustic structure.
Jan 2014 - March 2014	Field Assistant. <i>University of Auckland, New Zealand</i> . Set up infrared cameras, conducted transects, caught bats using harp traps and mistnetting, radiotracked bats, measured wing morphology.
Sep 2013 - Dec 2013	Field Assistant. Deakin University, Australia. Conducted transects to find Great Bowerbirds, set up motion detector cameras, counted seedlings at bower sites, measured habitat structure, and drove 4WD vehicles over rough terrain on a cattle station in Charters Towers, Queensland
May 2013 - Jan 2013	Field Assistant. <i>University of Chicago</i> . Studied the distribution of the Greenish Warbler and elevational distribution of bird communities in the North-Western Himalayas. Mist-net birds, aided in sperm sampling, measured bird morphology, banded birds.
April 2012	Field Assistant. <i>Yanayacu Biological Station, Cosanga, Ecuador</i> . Collected over 450 caterpillars for the Caterpillar and Parasitoids of the Eastern Andes project, identified caterpillars and parasitoids to family level.
May - Aug 2011	Intern. <i>Field Museum of Natural History, Chicago IL</i> . Built a 700 species database of Caviomorph rodents, analyzed morphological differences between neotropical bat species, conducted PCR from selected bat tissues, participated in a weekly phylogenetics seminar.
Aug 2010 - May 2011	Student Researcher. <i>Bret Payseur Lab, UW Madison</i> . Measured mice bones from x-rays, weighed, weaned, ear tagged, recorded data on Gough Island mice, conducted independent project comparing evolutionary rates between island and mainland species
Jan 2010 - May 2010	Student Researcher. <i>Francisco Pelegri Lab, UW-Madison</i> . Set up zebrafish tanks, collected eggs, performed DNA staining, attended weekly lab meetings.
Total field experience by country: India (15 months), Pakistan (1 month), Ecuador (2 month), Australia (3 months), New Zealand (2 months), United States (Wyoming and Idaho: 3 months)	

**PROFESSIONAL
AFFILIATIONS
and
SERVICE**

- **External Ph.D scholar**, Wildlife Institute of India (2016 to present)
- **Member**, American Institute of Pakistan Studies
- **Secretary**, Society of Conservation Biology - Davis Chapter
- **Committee Member**, Graduate Admissions for the Graduate Group in Ecology (2019)
- **Participant**, 2 day instructor training session for the organization Data Carpentry (March 2019)
- **Educator**, UC Davis Graduate Group in Ecology Picnic Day (2017, 2018, 2019)
- **Panel Speaker**. *Every Penny Counts: Funding Graduate School Workshop* for the conference "I am First: Navigating Graduate School through a Proactive Mindset". University of California, Davis (March 2019)
- **Science Instructor** - one or two days every year since 2013 - Winston Campus Elementary School (Palentine IL) and Madison Elementary School (Skokie, IL)