

# Lauren Mae Hennelly

Personal website: <http://hennelly.github.io>

Email: [lmhennelly@ucdavis.edu](mailto:lmhennelly@ucdavis.edu)

Phone: 1(847)-542-6526

Mammalian Ecology and Conservation Unit

University of California, Davis

Davis, California, 95616 USA

## EDUCATION

---

Sept 2016 – **Ph.D Candidate, University of California, Davis.** Davis, CA  
Current Advisor: Dr. Ben Sacks

May 2013 **B.S., University of Wisconsin-Madison,** Madison WI  
*Major:* Evolutionary Biology, honors in research.  
Semester abroad in Ecuador – Ceiba Foundation for Tropical Conservation

## 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 Hilldale Undergraduate/Faculty Research Fellowship (\$4,000)

## RESEARCH PUBLICATIONS

---

- 11.) **LM Hennelly**, B Habib, S Modi, EK Rueness, P Gaubert, BN Sacks. *In press*. Ancient divergence of Indian and Tibetan wolves revealed by recombination-aware phylogenomics. *Molecular Ecology*
- 10.) Rafaqat I, T Mahmood, **LM Hennelly**, I Zaman, H Fatima, G Muhammad, Y Abbas, MR Khan M Arif. *Accepted*. Phylogenetic status and diet of red fox (*Vulpes vulpes griffithii*) inhabiting Ayubia National Park, Pakistan. *Brazilian Journal of Biology*
- 9.) Fatima H, T Mahmood, **LM Hennelly**, M Farooq, S Ali, BN Sacks. *In review*. Using DNA-verified scats and other sign to assess the distribution of sympatric carnivores in Margalla Hills National Park, Pakistan. *Mammal Research*
- 8.) Sarwar G, AM Khan, F Abbas, MT Wasim, **LM Hennelly**. 2021. First record on body morphometrics and chemical immobilization of wolves from Pakistan. *Pakistan Veterinary Journal*
- 7.) Sacks BN, KJ Mitchell, CB Quinn, **LM Hennelly**, MHS Sinding, MJ Statham, S Preckler-Quisquater, SR Fain, L Kistler, SL Vanderzwan, JA Meachen, EA Ostrander, LAF Frantz. 2021. Pleistocene origins, western ghost lineages, and the emerging phylogeographic history of the red wolf and coyote. *Molecular Ecology*  
<https://doi.org/10.1111/mec.16048>

- 6.) Fatima H, T Mahmood, **LM Hennelly**, M Farooq, F Akrim, MS Nadeem. 2021. Spatial distribution and dietary niche breadth of leopard cat (*Prionailurus bengalensis*) inhabiting Margalla Hills National Park, Pakistan. *Zoological Studies*
- 5.) Weyna A, RR Dubielzig, **LM Hennelly**. 2020. The relative importance of phylogeny and habitat in determining the presence and prominence of a granula iridica in hooved mammals. *Veterinary Ophthalmology* 1-8.
- 4.) Sadhukhan S, **LM Hennelly**, B Habib. 2019. Characterising the vocal repertoire of the Indian wolf (*Canis lupus pallipes*). *PloS ONE* 14(10): e0216186
- 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* 83(6): 539-551.
- 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 world's oldest wolf lineages using acoustics. *Current Zoology* 63(3): 341-348.
- 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.

## **AWARDS and GRANTS**

---

2018	Rufford Foundation Small Grant (\$5,532) – CoPI with Hira Fatima
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 Trust Research Grant (\$5,000)
2013	Irving W. Gerhardt Conservation Biology Scholarship (\$1,000)
2012	Center for Limnology Chase Noland Award (\$2,000)

## **PROFESSIONAL PRESENTATIONS**

---

**Hennelly LM.** February 2020. *Genomics insights into the distinctiveness and distribution of Southern Asian wolves*. Oral Presentation at the Graduate Group in Ecology Symposium, UC Davis.

**Hennelly LM**, S. Modi, B. Habib, BN Sacks. Jan 2020. *Whole genome resequencing of wolves at a contact zone in South Asia to explore distinctiveness, local adaptation, and barrier genes*. Poster presentation. Plant and Animal Genome Conference XXVIII

**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. 31<sup>st</sup> 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.

## TEACHING EXPERIENCE

---

2021	Teaching Assistant, EVE101 – Ecology, UC Davis
2021	Teaching Assistant, BIS2B: Introduction to Biology – Ecology and Evolution, UC Davis
2020	Section Instructor. Writing seminar for the NSF Graduate Research Fellowship
2020	Guest Lecturer. B.S. Course for Environmental Sciences. Bahria University, Islamabad, Pakistan.
2020	Guest Lecturer. Master's course in Environmental Management – University of San Francisco.
2019	Software Carpentry Instructor Training. (March 2019). Professional development for teaching computer programming.

2017 Teaching Assistant, BIS2C: Introduction to Biology – Biodiversity and the Tree of Life, UC Davis

## RESEARCH EXPERIENCE

---

Summer 2016 **Project Biologist.** Wood River Wolf Project. Hailey, Idaho  
2015-2016 **Research Technician.** Wyoming Cooperative Fish and Wildlife Research Unit. Laramie, Wyoming  
2011-2015 **Student Researcher.** Center for Limnology, UW-Madison. Madison, Wisconsin  
2014-2015 **Fulbright Scholar.** Wildlife Institute of India. Dehradun, India.  
2014 **Field Assistant.** University of Auckland. New Zealand (2 months)  
2013 **Field Assistant.** Deakin University. Australia (4 months)  
Summer 2013 **Field Assistant** in Indian Himalaya. University of Chicago. Illinois  
April 2012 **Field Assistant.** Yanayacu Biological Station. Cosanga, Ecuador  
Summer 2011 **Intern.** Field Museum of Natural History. Chicago, Illinois  
2010-2011 **Student Researcher.** Bret Payseur Lab, UW Madison. Madison, Wisconsin  
2010 **Student Researcher.** Francisco Pelegri Lab, UW-Madison. Madison, Wisconsin

**Total field experience by country:** India (16 months), Pakistan (~ 2 months), Ecuador (1 month), Australia (4 months), New Zealand (2 months), United States (Wyoming and Idaho – 3 months)

## PROFFESIONAL AFFILIATIONS

---

Wildlife Institute of India – External Ph.D Scholar (2016-2020)  
American Institute of Pakistan Studies – member  
The Systematics Association – member  
Society of Conservation Biology – member (Asia Chapter, UC Davis Chapter)

## SERVICE and OUTREACH

---

**Committee Member** – UC Davis Graduate Group in Ecology Admissions (2018, 2019, 2020)  
**Organizing Member** – UC Davis Graduate Student Symposium in Ecology (2017)  
**Secretary** – Society of Conservation Biology – Davis Chapter (2019-2021)  
**Reviewer** – European Journal of Wildlife, Scientific Reports  
**Volunteer Educator** – UC Davis Graduate Group in Ecology Picnic Day (2017 – 2019), Madison Elementary School in Morton Grove, IL (2016, 2017, 2018), Edison Elementary School in Skokie, IL (2014, 2015, 2016, 2017, 2018), Winston Elementary School in Palatine, IL (2016, 2017, 2018)  
**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).

---

## POPULAR SCIENCE PUBLICATIONS

---

**Hennelly LM.** 2018. The little-known wolves of South Asia. UK Wolf Conservation Trust's *Wolf Print Magazine*. March 2018 Issue.

**Hennelly LM.** 2015. Chasing Shanku: wolf research in the High Himalaya. *International Wolf Magazine* 16(4): 12-13.

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

**Hennelly LM.** 2015. Hybridisation threat in the Himalaya. [Conservationindia.org](http://Conservationindia.org).