

# BEATRIZ LOPEZ GUTIERREZ

Geomatics Department, School of Forest Resources and Conservation,  
University of Florida, Gainesville, FL, 32601. Email:  
[blopezgutierrez@ufl.edu](mailto:blopezgutierrez@ufl.edu)  
Tel: +1 (352) 328-0541

## EDUCATION & QUALIFICATIONS

- 2017- Present
- ***Ph.D. Tropical Forest Ecology and Conservation, Spatial Ecology & Conservation Lab (SPEC), University of Florida, USA***  
  
Thesis: Evaluating and monitoring biodiversity in anthropogenic tropical landscapes; applications for research, management, and conservation of the Osa Peninsula, Costa Rica. Advisor Dr. Eben N. Broadbent.
- 2010 -2011
- ***M.S. Research in Biosystematics, Imperial College & Natural History Museum, London, England.***  
  
Thesis (1): Geometric Morphometric Analysis of the Forcipular Coxae of Scutigermorpha (Chilopoda). Advisors: Prof. Gregory D. Edgecombe and Prof. Norman MacLeod.  
  
Thesis (2): Molecular systematic of the genus Onthophagus (Coleoptera: Scarabaeidae: Scarabaeinae). Advisor: Prof. Alfried P. Vogler.  
  
Thesis (3): A phylogenetic study of birds: investigating the presence of evolutionary significant units of higher-level diversity. Advisor: Prof. Timothy G. Barraclough.
- 2006 -2009
- ***B.Sc. Hons .Zoology, Anglia Ruskin University, Cambridge, England.***  
Dissertation: Global distribution and phylogeny of the family Volutidae (Gastropoda:Mollusca). Advisor: Dr. Philip Pugh.
- 2006 –2009
- ***Science and Technology Foundation Year Access to Higher Education, Anglia Ruskin University, Cambridge.***
- 1998 –2000
- ***Tourism and Public Relations Secondary Vocational Education Certificate, Formatik Center, Madrid, Spain.***

## RELATED EXPERIENCE

- 2018 - present
- ***Wildlife Conservation and Sustainability, Field Course Instructor, DANTA Association for Conservation of the Tropics, Osa Peninsula, Costa Rica.***
    - Accredited summer and winter field courses for international students; up to 10 students per course.
    - Leading lectures, workshops, data collection, observations in the field, discussions and critical reviews of the literature.
    - Co- design, coordinate, and manage individual scientific projects.
- 2017 - present
- ***Graduate Research Assistant, SPEC Lab, School of Forest Resources and Conservation, University of Florida, Gainesville, USA.***
    - Designing, leading, and carrying out scientific research projects, proposals, field work, data management and analysis, as well as publications.

- Mentoring, advising, and instructing undergraduates independent research. For example, two students from the Bee Lab, summer 2019
  - Perform teaching assisting duties for undergraduate courses Forest of the Future and Forest Ecology, including instructor of Lab sessions in the latter.
  
- 2015–2016
  - **Volunteer/Project Coordinator, Osa Conservation (NGO), Osa Peninsula, Costa Rica.**
    - Leading presentations, workshops, and standardized training for volunteers, young scientists, and community members
    - Design, coordinate, and manage individual scientific projects
    - Program Coordinator (sea turtles, wildcats, and watershed monitoring)
    - Management of health and safety procedures.
    - Leader of environmental education and awareness and community events.
  
- 2015 (Apr-Jun)
  - **Environmental Education Volunteer, Pablo VI School, Orense, Spain.**
    - Environmental education and awareness workshops, lectures, and fieldwork trips for school children between the ages of 6-16, visitors, and community groups.
  
- 2014 - 2015
  - **Principal Investigator, Frontier International Volunteer Organization, Osa Peninsula, Costa Rica.**
    - Design, manage, monitor, and conduct biological surveys (i.e. primates, birds, otters, butterflies, sea turtles, mammal track search, camera trap)
    - Coordination, training, and leadership for all staff members and volunteers.
    - Coordinating, organizing and functioning of camp logistics and activities.
    - Liaise, develop and maintain relationships with partner organizations and collaborators.
  
- 2013 (Jun-Dec)
  - **Sea Bird Observer, Fisheries Department, Falkland Islands.**
    - Monitor interactions of seabirds with fishing vessels.
    - Reports on the vessel activities during observation periods.
    - Collection compilation of biological and fisheries data preparation and reporting.
  
- 2013 (Jan-May)
  - **Environmental Education Volunteer, Pablo VI School, Orense, Spain.**
    - Environmental education and awareness workshops, lectures, and fieldwork trips for school children between the ages of 6-16, visitors, and community groups.
  
- 2012 (July-Oct)
  - **Bird Research Assistant, Las Médulas World Heritage Site, Leon, Spain.**
    - Organize, manage, schedule and communicate field work to volunteers.
    - Awareness creation and environmental education for visitor groups.
    - Bird and nest surveys and computer data entry.
  
- 2012 (Jan-Jun)
  - **Marine Conservation Research Assistant, Shallow Waters Conservation (NGO), Koh Sdach, Cambodia.**
    - Creating scientific surveying manual for volunteers and young scientist.
    - Assessing the archipelago coral reefs in search of diving and surveying sites.
    - Conservation awareness integrating community and undergraduate students from Phnom Penh University and international volunteers.
  
- 2010 (Jan-Sep)
  - **Collections Volunteer, Cambridge Museum of Zoology, England.**
    - Checking and updating inventory records and computer data entry.
  
- 2007 (July-Sep)
  - **Research assistant, Operation Wallacea, Indonesia.**
    - Jungle and forest ecology training including practical survival and field survey techniques.
    - PADI Open Water Dive Certificate, marine survey methods, and Indo-Pacific coral reef ecology training.
    - Member of terrestrial and coral reef monitoring team

## FUNDING AWARDS

- **Tinker Travel Grant**, Center for Latin American Studies, UF. Summer fieldwork 2017.
- **Joshua C. Dickinson IV Memorial Fund for Tropical Forestry**, SFRC, UF. Summer research assistant 2018-2019
- **Natural Environment Research Council (NERC) Innovation Fund for Excellence**, Imperial College, UK. October 2010-2011.

## PUBLICATIONS

- **Lopez Gutierrez, B., Almeyda Zambrano, A.M., Almeyda Zambrano, S.L., Gil, C., Bohlman, S., Arias, E.A., ... & Broadbent, E. N (2019)**. An island of wildlife in a human-dominated landscape: The last fragment of primary forest on the Osa Peninsula's Golfo Dulce coastline, Costa Rica. *PLoS one*, 14(3), e0214390. <https://doi.org/10.1371/journal.pone.0214390>.
- **Lopez Gutierrez, B., Almeyda Zambrano, A. M., Mulder, G., Ols, C., Dirzo, R., Almeyda Zambrano, S. L., Quispe Gil, C. A., Cruz Díaz, J. C., Alvarez, D., Valdelomar Leon, V., Villareal, E., Sanchez Espinosa, A., Quiros, A., Avellan Arias, E., T.V., Stein, Lewis, K., and Broadbent, E. N. 2019**. Ecotourism: the "human shield" for wildlife conservation in the Osa Peninsula, Costa Rica. *Journal of Ecotourism*. (Submitted).
- **Lopez Gutierrez, B., A. M. Almeyda Zambrano, A.M, Mulder, G., Lewis, K., Stein, T. V., Dirzo, R., ... & E. N. Broadbent. 2019**. The role of wildlife in driving ecotourism and visitor satisfaction on the Osa Peninsula of Costa Rica: The Lapa Rios case. *Journal of Sustainable Tourism*. (Preparing for submission).
- **Lopez Gutierrez, B., MacLeod, N., and Edgecombe, G.D. 2011**. Detecting taxonomic signal in an under-utilised character system: geometric morphometrics of Forcipular coxae of Scutigeroidea (Chilopoda). *Zookeys* (156):49–66. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3253570/>

## SELECTED EVENTS TALKS, POSTERS, WORKSHOPS

- **"Evaluating fruit and carrion feeding butterfly communities in the Osa Peninsula, Costa Rica: a rapid biological assessment"** Talk. Osa Conservation, Osa Peninsula, Costa Rica (24<sup>th</sup> June 2019)
- **"Evaluating and monitoring biodiversity in anthropogenic tropical landscapes; applications for research, management, and conservation of the Osa Peninsula, Costa Rica"** Speed Talk. Biodiversity Research Coordination Network (Biodiversity RCN), UF, Florida (28<sup>th</sup> May 2019). Logistics Organizer (28-31 May 2019).
- **"An island of wildlife in a human-dominated landscape: the last fragment of primary forest on the Osa Peninsula's Golfo Dulce coastline, Costa Rica"** Talk. SFRC Graduate Student Symposium, UF, Florida (29<sup>th</sup> March 2019).
- **"Butterflies of the Neotropics; methods and approaches to evaluate diversity"** Osa Conservation, Osa Peninsula, Costa Rica (25<sup>th</sup> January 2019)
- **"Developing Freely Available Neotropical Bat Fact Sheets with a Costa Rican Focus"** Poster. Annual North American Symposium on Bat Research. Puerto Vallarta, México (27<sup>th</sup> of October 2018).
- **"Evaluating the Effects of Ecotourism on Terrestrial Vertebrates: The Lapa Rios case in the Osa Peninsula, Costa Rica"** Talk. Tropilunch, The *Tropical Conservation and Development*, UF, Florida (10<sup>th</sup> April 2018).
- **"Evaluating the Effects of Ecotourism on Terrestrial Vertebrates: The Lapa Rios case in the Osa Peninsula, Costa Rica"** Poster. Graduate Student Research Day, UF, Florida (4<sup>th</sup> April 2018).
- **"Evaluating the Effects of Ecotourism on Terrestrial Vertebrates: The Lapa Rios case in the Osa Peninsula, Costa Rica"** Poster. SFRC Graduate Student Symposium, UF, Florida (23<sup>th</sup> March 2018).
- **"Carbonera School Environmental Education Workshop: Mammals of the Osa and The Plastic"**

**Pollution Awareness” ½ Day Workshop.** Osa Peninsula, Costa Rica. (May to August 2017). Developer, organizer, and instructor. Four Workshops.

- **“Wednesday Science” Day Workshop.** Lapa Rios Ecolodge, Osa Peninsula, Costa Rica. (May to August 2017). Developer, organizer, and instructor. Eight Workshops.
- **“Effects of land cover and use on water quality in the Osa Peninsula and the Golfito region, Costa Rica” Talk.** FRC Graduate Student Symposium, UF, Florida (23<sup>rd</sup> March 2017).
- **“Ríos Saludables Monitoreando la Osa en Comunidad” ½Day Workshop.** Osa Conservation, Osa Península, Costa Rica (2015-2016). Developer, organizer, and instructor. Five workshops
- **“Salvemos a las Tortugas Marinas” Festival.** 7th Sea Turtle Festival of Carate, Osa Peninsula, Costa Rica. (26<sup>th</sup> September 2015). Activity Developer and Organizer.
- **“The Mammals of the Osa Peninsula: learning to track” ½Day Workshop.** Frontier and Osa Conservation, Osa Peninsula, Costa Rica (2014-2016). Developer, organizer, and instructor. > 50 Workshops.
- **“Health and Safety in Extreme Field Conditions” Talk.** Frontier and Osa Conservation, Osa Peninsula, Costa Rica (2014-2016). > 100 Talks.
- **“Can you Recognise 12 Birds of The Osa Peninsula by their Sounds? Easier said than Done!” Talk.** Frontier, Osa Peninsula, Costa Rica (2015-2016). > 20 Talks.
- **“Applied Scientific Knowledge and Logistics to work in the Tropics” Talk.** Frontier, Osa Peninsula, Costa Rica (2015-2016). > 50 Talks.
- **“Salvemos a las Tortugas Marinas” Festival.** 6th Sea Turtle Festival of Carate, Osa Peninsula, Costa Rica. (20<sup>th</sup> October 2014). Activity Developer and Organizer.
- **“Sal fuera de Tu Zona de Confort y No Pongas Limites a Tus Sueños” Talk.** Pablo VI School, Orense, Spain. (5<sup>th</sup> June 2015).
- **“Abriendo los Ojos a la Naturaleza, sus Animales, y los Peligros que Afrontan” Day Workshop,** Pablo VI School, Orense, Spain (January to May 2013; April to June, 2015). Developer, organizer, and instructor. Thirty Workshops.
- **“Estudiemos, Aprendamos, y Evaluamos los Pájaros del Bierzo” Day Workshop,** Las Médulas World Heritage Site, Leon, Spain (July to October 2012). Developer, organizer, and instructor. Twelve Workshops.
- **“Detecting taxonomic signal in an under-utilised character system: geometric morphometrics of forcipular coxae of Scutigera (Chilopoda)” Poster.** Annual International Congress of Myriapodology, Brisbane, Australia (18<sup>th</sup> to 22<sup>nd</sup> of July 2011).
- **“Marine Conservation Field Trips: from the Royal University of Phnom Penh to Koh Sdach Island” Event,** Sdach Island, Cambodia (January to June 2012). Activity Developer, organizer, and instructor. Three trips. <https://www.youtube.com/watch?v=OPcXClj1Wf8>