



# Diego J. Lizcano

*Curriculum Vitae*

## CONTACT

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## EDUCATION

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**Ph.D. Biodiversity Management** 2001-2006  
*University of Kent, Canterbury, United Kingdom*  
Supervisor: Richard E. Bodmer, Durrell Institute of Conservation and Ecology (DICE).

**B.Sc. Biology** 1990-1996  
*Universidad de los Andes, Bogotá, Colombia.*

## SHORT COURSES

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**Occupancy modeling in BUGS/JAGS and unmarked. Applied hierarchical modeling in ecology using BUGS and R.** Nov. 2013  
*Patuxent Wildlife Research Center (PWRC), MD, USA*  
Instructors: Marc Kery, Ph.D. y Andy Royle, Ph.D.

**Interdisciplinary applications in complex systems.** May 2011  
*Universidad Francisco de Paula Santander, Cucuta, Colombia*  
Instructors: Mario G. Cosenza, Ph.D. y Kay A. Tucci Kellerer Ph.D.

**Basic Training in Geographic Information Systems for Wildlife Conservation. (Wildlife Conservation Society)** Sep-Oct 2000  
*Wildlife Conservation Society (WCS), Bronx, New York. USA*  
Instructors: Eric Sanderson, Ph.D. Gillian Woolmer Ph.D.

## WORKING EXPERIENCE

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**Researcher III** 2014-today  
*Central Research Department (DCI). Universidad Laica Eloy Alfaro, Manabí (ULEAM), Manta, Ecuador.*  
Director of the project: Wildlife in protected and fragmented areas of Manabí, Ecuador.  
Tasks: Personnel management, equipment acquisition and scientific production.  
Project Website: <http://faunamanabi.github.io>

**Associate researcher** Jan-July-2014  
*Fundación Caipora, Bogotá, Colombia*

Fundación Caipora is a Colombian registered NGO, created in 2005 aiming to identify, analyze and propose solutions to the main problems related to biodiversity conservation in Colombia.

### Visiting scientist

2012-2013

*TEAM, Tropical Ecology Assessment and Monitoring. Conservation International. Arlington, VA 22202. USA.*

Assistance analyzing camera trap data of five years from Costa Rica, using Bayesian statistical models and occupancy models. Support in species identification.

### Consultant

June-2012

*World Bank, Washington DC, USA.*

Vegetation change analysis (2000-2010) using MODIS satellite images of product 44 for the protected areas: Pench, Periyar, Palamau, Buxa, Ranthambhore, y Kanha in India.

### Assistant Professor

2006-2012

*Sciences Faculty, Universidad de Pamplona, N. de Santander, Colombia.*

Subject taught: Ecology, evolution, vertebrate biology, biogeography, experimental design. 12 undergrad students advised. Research group director and Biology – Chemistry Department director (1 year).

## TECHNICAL ABILITIES

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<i>Language</i>	English, Spanish (native), Portuguese (Lecture)
<i>Software</i>	R, HTML, L <sup>A</sup> T <sub>E</sub> X, PYTHON, MAXENT, MARXAN, NETLOGO
<i>SIG</i>	ARCGIS, ERDAS IMAGINE, QGIS, GRASS GIS, ILWIS, R
<i>O. System</i>	WINDOWS, LINUX, MAC OS
<i>Tools</i>	GPS, TELEMETRY VHF-GPS, DATA LOGGERS, CAMERA TRAPS

## PRESENTATIONS IN SCIENTIFIC MEETINGS

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- I Congreso Colombiano de Mastozoología, Quibdó, Chocó, 19 al 23 de septiembre 2011. "Áreas prioritarias para la conservación de mamíferos del bosque seco tropical de Cúcuta".
- III Congreso Colombiano de Zoología, Medellín, Noviembre 21 al 26 2010. "Desarrollo minero, oportunidades y retos para la conservación de los mamíferos en Norte de Santander".
- III Congreso Colombiano de Zoología, Medellín, Noviembre 21 al 26 2010. "Rango de hogar y patrón de actividad de danta de montaña *Tapirus pinchaque* (MAMMALIA: TAPIRIDAE) usando telemetría de GPS en el Parque Regional Natural Ucumari y el Parque Nacional Natural los Nevados-Colombia".
- Zoos and Aquariums Committing to Conservation. Houston, Texas, USA, January 26-31, 2007. Ecology and conservation of mountain tapirs in a cattle ranching environment. A International collaborative effort in the Colombian Andes (Lizcano Garelle).
- II Congreso Colombiano de Zoología. Santa Marta, Magdalena, Noviembre 26 - Diciembre 1 de 2006. Efecto de los grandes mamíferos en el bosque alto andino.

- II Congreso Colombiano de Zoología. Santa Marta, Magdalena, Noviembre 26 - Diciembre 1 de 2006. Propuestas metodológicas para evaluación de poblaciones de grandes mamíferos. El caso de la Danta de montaña.
- III International Tapir Symposium. Buenos Aires, Argentina. 26-31 de Enero 2006. "Effect of mountain tapir in the forest. What happened two years after" (Lizcano Bodmer).
- Second Tropical montane cloud forest congress Hilo, Manoa, Hawaii, USA. September 2005. "Large mammals in the tropical Andes" (Cavelier, Lizcano, Downwer).
- VI Congreso Internacional Sobre Manejo de Fauna Silvestre en la Amazonia y LatinoAmerica. Iquitos, Peru. 5 al 10 de Septiembre del 2004. "Effect of large mammals in the mountain tropical forest" (Lizcano y Bodmer).
- V Congreso Internacional Sobre Manejo de Fauna Silvestre en la Amazonia y LatinoAmerica. Cartagena, Colombia, Septiembre 10 al 14 del 2001. "Uso de collares de GPS para el estudio de la danta de montaña en los Andes centrales de Colombia" (Lizcano, Cavelier, Mangini Quevedo).
- IV International Congress of Wildlife Management in the Amazon Region Latin America, Asunción, Paraguay, 8-12 September 1999. "Estado Actual de las Poblaciones de Danta de Montaña (*Tapirus pinchaque*) en Colombia" (Lizcano Cavelier).
- III International Congress of Wildlife Management in the Amazon Region Latin America, Santa Cruz de la Sierra, Bolivia, 3-7 December 1997. "Patrones de Actividad de la Danta de montaña (*Tapirus pinchaque*) en los Andes Centrales de Colombia" (Lizcano Cavelier).
- Seventh International Theriological Congress, Acapulco, Mexico, 6-11 September 1997. Poster: "Population Density and Habitat Availability of the Mountain Tapir (*Tapirus pinchaque*) in the Central Andes of Colombia" (Lizcano Cavelier).

## **PUBLICATIONS**

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### Scientific Articles

- Cervera, L., Lizcano, D.J., Parés-Jiménez, V., Espinoza, S., Poaquiza, D., De la Montaña, E., Griffith, D.M. 2016. A camera trap assessment of terrestrial mammals in Machalilla National Park, western Ecuador. Check List 12: 1868.
- Lizcano, D.J., Cervera, L., Espinoza-Moreira, S., Poaquiza-Alava, D., Parés-Jiménez, V., Ramírez-Barajas, P.J. 2016. Medium and large mammal richness from the marine and coastal wildlife refuge of Pacoche, Ecuador. *Therya* 7: 137-145.
- Cervera, L., Lizcano, D.J., Tirira, D.G., Donati, G. 2015. Surveying two endangered primate species (*Alouatta palliata aequatorialis* and *Cebus aequatorialis*) in the Pacoche Marine and Coastal Wildlife Refuge, West Ecuador. *International Journal of Primatology*.
- Ortega-Andrade, H. M., D. A. Prieto-Torres, I. Gómez-Lora, and D. J. Lizcano. 2015. Ecological and Geographical Analysis of the Distribution of the Mountain Tapir (*Tapirus pinchaque*) in Ecuador: Importance of Protected Areas in Future Scenarios of Global Warming. *PLoS ONE* 10:e0121137.

- Gallardo, A. O., and D. J. Lizcano. 2014. Organización social de una colonia del murciélago *Carollia brevicauda* en un refugio artificial, Bochalema, Norte de Santander, Colombia. *Acta Biológica Colombiana* 19:113–121.
- Ahumada, J. A., J. Hurtado, and D. Lizcano. 2013. Monitoring the status and trends of tropical forest terrestrial vertebrate communities from camera trap Data: A tool for conservation. *PLoS ONE* 8:e73707.
- Setina, V., D. J. Lizcano, D. M. Brooks, and L. F. Silveira. 2012. Population density of the helmeted curassow (*Pauxi pauxi*) in Tamá National Park, Colombia. *The Wilson Journal of Ornithology* 124:316–320.
- Suárez-Payares, L. M., and D. J. Lizcano. 2011. Uso de refugios por tres especies de murciélagos filostómidos (Chiroptera: Phyllostomidae) en el Área Natural Única Los Estoraques, Norte de Santander, Colombia. *Mastozoología Neotropical* 28:259–270.
- Lizcano, D. J., and J. Cavelier. 2004b. Using GPS collars to study mountain tapirs (*Tapirus pinchaque*) in the Central Andes of Colombia. *Tapir Conservation* 13:18–23.
- Lizcano, D. J., and J. Cavelier. 2004a. Características químicas de salados y hábitos alimenticios de la danta de montaña (*Tapirus pinchaque* Roulin, 1829) en los Andes Centrales de Colombia. *Mastozoología Neotropical* 11:193–201.
- Lizcano, D. J., and A. Sissa. 2003. Notes on the distribution and conservation status of mountain tapir (*Tapirus pinchaque*) in north Peru. *Tapir Conservation* 12:21–24.
- Lizcano, D. J., V. Pizarro, J. Cavelier, and J. Carmona. 2002. Geographic distribution and population size of the mountain tapir (*Tapirus pinchaque*) in Colombia. *Journal of Biogeography* 29:7–15.
- Lizcano, D. J., and J. Cavelier. 2000. Densidad poblacional y disponibilidad de hábitat de la danta de montaña (*Tapirus pinchaque*) en los Andes Centrales de Colombia. *Biotropica* 32:165–173.
- Lizcano, D. J., and J. Cavelier. 2000. Daily and seasonal activity of the mountain tapir (*Tapirus pinchaque*) in the Central Andes of Colombia. *Journal of Zoology* 252:429–435.

#### Book Chapters

- Lizcano, D. J., J. A. Ahumada, A. Nishimura, and P. R. Stevenson. 2014. Population Viability Analysis of Woolly Monkeys in Western Amazonia. in press in T. Defler and P. R. Stevenson, editors. *The Woolly Monkey*. Springer, New York.
- Cavelier, J., D. J. Lizcano, E. Yerena, and C. Downer. 2011. The mountain tapir (*Tapirus pinchaque*) and Andean bear (*Tremarctos ornatus*): two charismatic large mammals in South American tropical mountain cloud forest. Pages 172–181 in L. A. Bruijnzeel, F. N. Scatena, and L. S. Hamilton, editors. *Tropical Montane Cloud Forests*. Cambridge University Press, New York.
- Lizcano, D. J., S. J. Alvarez, and C. Delgado-V. 2010. DWARFT RED BROCKET *Mazama rufina* (Pucheran 1951). Pages 177–180 in J. M. B. Duarte and S. González, editors. *Neotropical Cervidology: Biology and Medicine of Latin American Deer*. Funep, Jaboticabal, Brazil.

- Lizcano, D. J., E. Yerena, S. J. Alvarez, and J. R. Dietrich. 2010. MÉRIDA BROCKET *Mazama bricenii* (Thomas 1908). Pages 181-184 in J. M. B. Duarte and S. González, editors. Neotropical Cervidology: Biology and Medicine of Latin American Deer. Funep, Jaboticabal, Brazil.
- Lizcano, D. J., A. Guarnizo, J. A. Suarez, F. K. Florez, and O. Montenegro. 2006. Danta de paramo *Tapirus pinchaque*. in J. V. Rodriguez-Maechea, M. Alberico, F. Trujillo, and J. Jorgenson, editors. Libro rojo de los mamíferos de Colombia. Serie libros Rojos de Especies Amenazadas de Colombia. Conservación Internacional, Colombia. Ministerio de Ambiente, Vivienda y Desarrollo Territorial, Bogotá, Colombia.
- Cavelier, J., Lizcano, D. J., Pulido, M. T. 2001. Bosques de Montaña, Colombia. In: Kappelle, M., Brown, A. (Eds.). Bosques Neotropicales de Montaña. INBio, World Conservation Monitoring Center, World Conservation Union, San Jose, Costa Rica.

## REFERENCES

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Additional references are provided upon request.

- Isadora Angarita-Martínez. Conservation Projects Officer and Ecosystem Services Focal Point. BirdLife International, Americas Secretariat. Juan de Dios Martínez y Portugal N35-76. Quito, Ecuador. Tel: +593 (2) 2277059. Mobile: +593 (0) 983114968. email: isadora.angarita@birdlife.org
- Dr. Jorge Ahumada. Executive Director - TEAM Network at Conservation International. 2011 Crystal Drive Suite 500 Arlington, Virginia 22202, United States. Tel: +1-202-739-1578. email: jahumada@conservation.org