

## Liliana Cortés Ortiz

## curriculum vitae

### Contact details

Department of Ecology and Evolutionary Biology  
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### EDUCATION

**Ph. D. in Biological Sciences.** January 2003. School of Biological Sciences, University of East Anglia, Norwich, Norfolk, England.

Thesis: Evolution of howler monkeys, Genus *Alouatta*.

**Maestría en Neuroetología** (equivalent to M.Sc.) June 1998. Instituto de Neuroetología, Universidad Veracruzana, Xalapa, Veracruz, Mexico.

Thesis: Mating system and sexual behavior of howler monkeys (*Alouatta palliata mexicana*) in semi-free conditions.

**Licenciatura en Biología** (equivalent to B.Sc.) November 1992. Facultad de Biología, Universidad Veracruzana, Xalapa, Veracruz, Mexico. Degree obtained with exemption of the Professional Exam, because of high grade point average.

### ACADEMIC POSITIONS

October 2015 – to date. Faculty of the University of Michigan Predoctoral Genetics Training Program (“Michigan Predoctoral Training in Genetics” T32GM007544).

September 2013 – to date. Research Associate Professor at the Museum of Zoology, Department of Ecology and Evolutionary Biology, University of Michigan.

June 2008 – to date. Director of the Genomic Diversity Laboratory, Museum of Zoology, Department of Ecology and Evolutionary Biology, University of Michigan.

September 2004 – August 2013. Assistant Research Scientist at the Department of Ecology and Evolutionary Biology & Museum of Zoology, University of Michigan.

January – April 2007. LEO Lecturer I. Department of Ecology and Evolutionary Biology. University of Michigan. Biology 120 section 001: Behavior of Neotropical Primates.

January 2003 – January 2005. Investigador de tiempo completo, titular “C” (equivalent to tenured Associate Professor). Universidad Veracruzana, Xalapa, Veracruz, Mexico.

January 1991 – July 1998. Research assistant (Asistente de investigación) at the Primatology section of the Institute of Neuroethology, Universidad Veracruzana. Xalapa, Veracruz, Mexico.

## ACADEMIC HONOURS

**Member of the National System of Researchers of the National Council of Research and Technology (CONACyT, Mexico), at the level of “Candidato a Investigador Nacional”.** From January 2004 to January 2005.

**Reconocimiento al Mérito Universitario** (Recognition for the University Excellence) for being the best student in Natural Sciences academic area (including schools of Biology, Agronomy, and Veterinary). Awarded in 1992 by the Universidad Veracruzana.

## GRANTS AND AWARDS

2015 – 2018. **National Science Foundation.** *Genomic signatures of reproductive isolation in a primate hybrid system.* PI. \$303,924

2015 – 2016. Margot Marsh Biodiversity Foundation. *Genetic diversity and conservation status of howler monkeys (genus Alouatta) in Peru.* PI. \$15,000

2014 – 2015. **Elizabeth C. Crosby Research Award.** University of Michigan ADVANCE Program. *Collaborative research on pygmy marmosets (Cebuella pygmaea) in Ecuador* \$9,399

2010 – 2015. **National Science Foundation.** *Collaborative Research: Causes and Consequences of Vocal Variation in a Howler Monkey (Alouatta spp.) Hybrid Zone: An Integrated Behavioral, Morphological and Genetic Approach.* PI (Thore Bergman and Dawn Kitchen, co-PIs). \$378,907

2010. Margaret and Herman Sokol Endowment for Faculty and Graduate Student Research Projects in the Sciences. **Rackham Graduate School and the Office of the Vice President for Research, University of Michigan.** *Genetic characterization of hybrid howler monkeys from Tabasco, Mexico.* PI. \$6,000

2008. **Office of the Vice President for Research Faculty Grant, University of Michigan.** *Vocalizations in purebred and hybrid howler monkeys in Mexico.* PI. \$10,620

2008. **NSF - Research Experiences for Undergraduates program.** *REU - Hybridization Between Howler Monkeys in Mexico: Genetic and Morphological Characterization.* PI. \$6,000

2007 – 2008. **Office of the Vice President for Research Faculty Grant, University of Michigan.** *Genomic Diversity Laboratory: updating a shared teaching and research facility at the Museum of Zoology.* Collaborator. \$23,282

2007 – 2011. **National Science Foundation. DEB-0640519.** *Hybridization Between Howler Monkeys in Mexico: Genetic and Morphological Characterization* (Population and Evolutionary Processes and Physical Anthropology programs). PI. \$194,997

2005. **Lydia Adams DeWitt Award from the NSF-ADVANCE Project at the University of Michigan.** *Origins of Biodiversity in the Neotropics: Phylogeography and Systematics of Howler monkeys (genus Alouatta)*. PI. \$19,441.20

2005. **Office of the Vice President for Research Faculty Grant, University of Michigan.** *Development of microsatellite markers for the study of a hybrid zone between howler monkeys (Alouatta palliata and A. pigra) in Mexico*. PI. \$14,400

2003 – 2004: **Secretary of Public Education of the Federal Government of Mexico** (through the PROMEP). PROMEP/103.5/03/1154. *Hybrid zone between two species howler monkeys in Mexico*. PI. \$299,906 Mexican pesos (equivalent to \$28,687.06 USD).

## TEACHING

### Undergraduate Courses

- Winter 2015. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Mariam Akhtar).
- Winter 2012. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Carianne Koop).
- Winter 2011. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Brittany Anne Salagean).
- Fall 2010. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Jacqueline Ana Levene).
- Fall 2009. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Dane Nathan Horowski).
- Winter 2009. EEB 300–119 Undergrad Research (Independent Study). University of Michigan (Student: Rachael Ann Shaney).
- Winter 2007. First Year Seminar (Biology 120 – section 001). Behavior of Neotropical Primates. University of Michigan.
- September 2003 to February 2004. Professor of the undergraduate course ***Biodiversity*** at the Faculty of Agronomy, Universidad Veracruzana.

### Graduate Courses

- Winter 2016. EEB 995–119 Dissertation/Candidate. University of Michigan (Student: Marcella Baiz)
- Winter 2016. EEB 790–119. Master Thesis (Independent Study). University of Michigan (Students: Susanna Campbell)
- Winter 2016. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Students: Delaney Cargo).
- Fall 2015. EEB 995–119 Dissertation/Candidate. University of Michigan (Student: Marcella Baiz)

- Fall 2015. EEB 700–119. Advanced Studies (Independent Study). University of Michigan (Students: Adrian Melo Carrillo)
- Fall 2015. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Students: Delaney Cargo).
- Winter 2015. EEB 990–119 Dissertation/Precandidate. University of Michigan (Student: Marcella Baiz)
- Winter 2015. EEB 790–119. Master Thesis (Independent Study). University of Michigan (Students: Adrian Melo Carrillo, Sergio Redondo & Audra Huffmeyer)
- Winter 2015. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Students: Delaney Cargo).
- Fall 2014. EEB 990–119. Dissertation/Precandidate (Independent Study). University of Michigan (Student: Marcella Baiz)
- Fall 2014. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Students: Adrian Melo Carrillo & Delaney Cargo).
- Fall 2014. EEB 790–119. Master Thesis (Independent Study). University of Michigan (Students: Sergio Redondo & Audra Huffmeyer)
- Winter 2014. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Student: Adrian Melo Carrillo).
- Winter 2014. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Student: Marcella Baiz).
- Fall 2013. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Student: Adrian Melo Carrillo).
- Winter 2013. EEB 790–119. Master Thesis (Independent Study). University of Michigan (Student: Marcella Baiz).
- Fall 2012. EEB 790–119. Master Thesis (Independent Study). University of Michigan (Student: Marcella Baiz).
- Fall 2011. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Student: Marcella Baiz).
- Winter 2009. EEB 730–119. Advanced Studies (Independent Study). University of Michigan (Student: Lucy An Phuong Tran).
- February – July, 1995. Professor of the *Pre-requisites courses of the Master Program in Neuroethology* of the Universidad Veracruzana, with the subject *Ethology*.

### **International Courses**

- June 2 to 6, 2015. Instructor of workshop: *Studying Primate Behavior, Endocrinology and Genetics*. Universidad de San Francisco de Quito, Quito Ecuador.
- August 21 to 25, 2012. Instructor of the post-congress course: **Study and Conservation of Primates in Transformed Habitats: Neotropical Region** (Estudio y Conservación de Primates en Hábitats Transformados: Región Neotropical). Within the frame of the XXIV Congress of the International Primatological Society. Cancun, México.
- October 17 & 18, 2011. Instructor of the pre-symposium course: *Molecular tools for the study and conservation of primates (Herramientas moleculares para el estudio y conservación de primates)*. Within the symposium “Primateology in Peru, history actual status and perspectives” (La Primatología en el Peru: Historia, Estado Actual y Perspectivas). Lima, Peru.

- March 25 to 27, 1998. Instructor at the 3rd. International Course ***Neurobiological and Ecological Bases of Behaviour: Survivorship and Reproduction***. Tlaxcala, Tlaxcala, Mexico.
- December 1 to 6 1996. Instructor of the theoretical-practical course ***Animal Ecology: Practices and Lessons***. Institute of Neuroethology, Universidad Veracruzana. Catemaco, Veracruz, Mexico.
- April 29 to May 3, 1996. Instructor of the theoretical-practical course ***Animal Ecology: Practices and Lessons***. Institute of Neuroethology, Universidad Veracruzana. Catemaco, Veracruz, Mexico.
- September, 1995. Instructor of the theoretical-practical course ***Study and Conservation of Wildlife***. Institute of Neuroethology, Universidad Veracruzana. Catemaco, Veracruz, Mexico.
- March 2 to 4, 1995. Instructor at the workshop ***Population and Habitat Viability Analysis for *Alouatta palliata mexicana****, Conservation Breeding Specialist Group (SSC/IUCN), the Primate Specialist Group (SSC/IUCN), and the Association of Zoos, Breeding Centres and Aquariums of the Mexican Republic. Puebla, Mexico.
- February 27 to March 1, 1995. Instructor at the workshop ***Conservation Assessment and Management Plan for Mexican Primates***. Conservation Breeding Specialist Group (SSC/IUCN), Primate Specialist Group (SSC/IUCN), and Association of Zoos, Breeding Centres and Aquariums of the Mexican Republic. Puebla, Mexico.
- September 12 to 17, 1994. Instructor of the theoretical-practical course ***Study and Conservation of Wildlife***. Institute of Neuroethology, Universidad Veracruzana. Catemaco, Veracruz, Mexico.
- July 11 to 16, 1994. Instructor of the theoretical-practical course ***Study and Conservation of Wildlife***. Institute of Neuroethology, Universidad Veracruzana. Catemaco, Veracruz, Mexico.
- October 26th, 1993. Instructor at the workshop ***Translocation and Reintroduction of Primates: a Model for Other Species***, within the IV Congress of the Latin American Association of Zoological Parks, Aquariums and Similar Institutions. Puebla, Mexico.
- September 13th, 1993. Instructor of the course ***Tropical Biology in Los Tuxtlas*** taught to Bachelor students of the University of California, Irvine. Catemaco, Veracruz, Mexico.
- May 19th, 1993. Instructor and co-ordinator of the workshop ***Evaluation of Captive Primate Populations in Mexico***, within the IV Symposium of the Mexican Association of Primatology. Tuxtla Gutierrez, Chiapas, Mexico.

#### DISSERTATIONS & THESES SUPERVISED

Delaney Cargo. 2016. **An assessment of genetic variation in Mexican black howler monkeys (*Alouatta pigra*)**. M.Sc. Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. (current)

Audra Huffmeyer. 2015. ***Molecular evolution of Apolipoprotein B- exon 26***. M.Sc. Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. (Completed)

Adrián Melo Carrillo. 2015. **A genetic assessment of the critically endangered Mexican howler monkey (*Alouatta palliata mexicana*)**. M.Sc. Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. (Completed)

Sergio Redondo. 2015. **A new understanding of the diversity and evolutionary history of Peruvian red howler monkeys**. M.Sc. Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. (Completed)

Lucy Ho. 2014. **Factors contributing to behavioral variation in two species of *Alouatta* and their hybrids**. Department of Psychology, University of Michigan. Advisor. (Completed)

Marcella Baiz. 2013. **Intragroup genetic relatedness in two species of howler monkeys (*Alouatta pigra* and *A. palliata*): Implications for understanding dispersal and social systems**. M.Sc. Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. (Completed)

Jane Remfert. 2012. **Genetic variation and colony formation of the ant *Azteca* in a coffee agroecosystem**. M.Sc. the School of Natural Resources and Environment, University of Michigan. Co-advisor. (Completed)

Mary Kelaita. 2011. **Morphological variation of two howler monkey species and their genetically-confirmed hybrids**. Ph.D. Department of Anthropology, University of Michigan, Ann Arbor (Completed)

Christine E. Crowe. 2009. **Population genetics of *Alouatta palliata aequatorialis* in coastal Ecuador**. Masters student, Maestría en Biodiversidad en Áreas Tropicales y su Conservación, Universidad Internacional Menéndez Pelayo (UIMP), Consejo Superior de Investigaciones Científicas (CSIC) and Universidad Central del Ecuador (UCE) (Completed)

Guadalupe Medel Palacios. 1998. **Descriptive analysis of sexual behaviour of howler monkeys (*Alouatta palliata mexicana*)**. Licenciatura (equivalent to B.Sc.). Faculty of Biology, Universidad Veracruzana, Xalapa, Veracruz, Mexico (Completed)

#### THESES COMMITTEE MEMBER

Susanna Campbell. Frontiers Masters student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Current*.

Adrián Melo Carrillo. Ph.D. student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Current*.

Marcella Baiz. Ph.D. student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Current*.

Delaney Cargo. Masters student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Current*.

Fanny Cornejo. Ph.D. student. Interdepartmental Doctoral Program in Anthropological Sciences. Stony Brook University. Committee member. *Current*.

Héctor Hugo Barradas García. Ph.D. student. Instituto de Neuroetología, Universidad Veracruzana. México. Committee member. *Current*.

María del Socorro Aguilar Cucurachi. Ph.D. student. Instituto de Investigaciones en Educación, Universidad Veracruzana. Committee member. *Current*.

Audra Huffmeyer. Frontiers Masters student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Completed June 2015*.

Adrián Melo Carrillo. Masters student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Completed May 2015*.

Sergio Redondo. Frontiers Masters student at the Department of Ecology and Evolutionary Biology, University of Michigan. Advisor. *Completed May 2015*.

Lucy Tran. Ph.D. student at the Department of Ecology and Evolutionary Biology, University of Michigan. Committee member. *Completed April 2015*.

Juan Buso. M.Sc. student at the Department of Ecology and Evolutionary Biology, University of Michigan. Committee member. *Completed June 2013*.

Nelson Galvis. 2012. M.Sc. student at the Postgraduate School of Biological Sciences, Universidad de Los Andes, Colombia. Thesis: Genetic structure of the brown spider monkey (*Ateles hybridus*): Conservation implications” (in Spanish). Thesis evaluation committee member. *Completed, November 2012*.

Brenda Díaz. M.Sc. student at the Instituto de Ecología, A. C., Xalapa, Veracruz, Mexico. Committee member. *January to July 2012. Completed*.

Alba Lucía Morales, Ph.D. 2011. Department of Anthropology, New York University. Ph. D. Committee member. Thesis: “Evolutionary History, Phylogeography and Conservation Priorities for the Spider Monkey (genus *Ateles*)”. *Completed September 2011*.

Felipe Ennes Silva, M.Sc. 2010. Faculdade de Biociencias, Pontificia Universidade Catolica do Rio Grande Do Sul. Brazil. Reviewer and evaluator of thesis entitled “Extensao da zona de contato e potencial hibridacao entre *Alouatta caraya* e *Alouatta guariba clamitans* na regioao de Sao Francisco de Assis, RS”. *Completed February 2010*.

## INVITED PRESENTATIONS

***Aspectos genéticos, morfológicos y conductuales de la hibridación natural de monos aulladores en México.*** Keynote speaker, IX Congreso del Programa de Maestría y Doctorado en Ciencias de la Producción y de la Salud Animal, Universidad Nacional Autónoma de México. To be held in Mexico City from June 20 to 24, 2016.

***Diversity and biogeography of red howler monkeys in Peru.*** Keynote speaker, III Symposium “Primateology in Peru”. October 20–23, 2015, Puerto Maldonado, Peru. (Spanish)

***Diversity, Evolution and Conservation of Neotropical Primates.*** Guest Lecture - BIO108- Introduction to Animal Diversity. (Invited by Dr. Laura Eiditis). October 14<sup>th</sup>, 2015, Ann Arbor, MI

***Genetic perspectives of the hybridization of Mexican howler monkeys.*** Guest Lecture - HG 632 - Experimental Genetic Systems, Department of Human Genetics (Invited by Dr. Adam Luring) University of Michigan. December 8th, 2014, Ann Arbor, MI

***Reconstructing the evolutionary history of howler monkeys.*** Chi Epsilon, the Civil Engineering Honors Society. University of Michigan. December 3rd, 2014, Ann Arbor, MI

***Hibridación de monos aulladores: morfología, introgresión genética y aislamiento reproductivo.*** Keynote speaker. Congreso Nacional de Genética 2014. Sociedad Mexicana de Genética. September 30 – October 3, 2014. Xalapa, Veracruz, Mexico. (Spanish)

***Genetic, morphological and behavioral perspectives on hybridization in Mexican howler Monkeys.*** Departmental Seminar, Department of Ecology and Evolutionary Biology, University of Michigan. April 3rd, 2014, Ann Arbor, MI

***Reconstructing the evolutionary history of howler monkeys.*** Society of Biology Students. University of Michigan. November 7, 2013, Ann Arbor, MI

***Origin, Evolution and Diversity of Neotropical Primates.*** Guest Lecture BIO108 - Animal Diversity (Invited by Dr. Laura Eiditis) University of Michigan. October 9, 2013, Ann Arbor, MI

***Estudio genético y morfológico de la hibridación de monos aulladores en México.*** Symposium “Primateology in Peru, history, current status, and perspectives” (La Primatología en el Peru: Historia, Estado Actual y Perspectivas). October 19-22, 2011. Lima, Peru. (Spanish)

***Genetics and conservation of mexican howler monkeys (La genética y la conservación de monos aulladores mexicanos).*** Symposium “Contribuciones de la investigación básica para la conservación de los primates mexicanos”. III Congreso Mexicano de Ecología. April 4-5th, 2011. Veracruz, Mexico. (Spanish)



***Conservation genetics of mexican howler monkeys.*** Primer Congreso de Ecología de Enfermedades y Medicina de la Conservación. November 6th, 2009. Veracruz, Mexico. (Spanish)

***Genetic and morphological characterization of hybridization of howler monkeys in Mexico.*** Symposium: Hybridization in Primates - Evidence, Extent, Evolutionary Impact and Problems. October 10<sup>th</sup>, 2009. Gottingen, Germany.

***Evolutionary history of howler monkeys in Mesoamerica.*** Presentation in Tropobio, Department of Ecology and Evolutionary Biology, University of Michigan. Fall 2008. Ann Arbor, MI

***Natural hybridization between howler monkeys in Mexico.*** Presentation in EEB lunch seminar, Department of Ecology and Evolutionary Biology, University of Michigan. Fall 2006. Ann Arbor, MI

***Natural hybridization between howler monkeys in Mexico.*** Presentation at the Biopsychology Colloquium, Department of Psychology, University of Michigan. April 11, 2006. Ann Arbor, MI

***Molecular systematics and biogeography of howler monkeys.*** Presented at the Institute of Neuroethology, Universidad Veracruzana. Xalapa, Veracruz, Mexico. May 16th, 2003. (Spanish)

***Mating system of howler monkeys *Alouatta palliata mexicana* in Mexico.*** Presented at the Smithsonian Tropical Research Institute. November 4th, 1999. Barro Colorado Island, Panama.

***Ex Situ Conservation Tactics,*** presented in the Faculty of Biology, Universidad Veracruzana, to students of 8th semester. March 4th, 1998. Xalapa, Veracruz, Mexico. (Spanish)

***Management and Conservation of Natural Resources,*** presented in *the First National Week of Science and Technology in Veracruz,* held from September 26th to October 1st, 1994. Xalapa, Veracruz, Mexico (Spanish)

***Sexual Behaviour of Primates,*** presented in the cycle *Primates: Evolution, Ecology and Behaviour,* held from June 29th to July 1st, 1994 in Xalapa, Veracruz, Mexico (Spanish)

***Reintroduction of Wildlife,*** presented in the Faculty of Veterinarian Medicine of the Universidad Autónoma de Yucatán. March 18th, 1993. Merida, Yucatan, Mexico. (Spanish)

***Species in Danger of Extinction,*** presented in the Faculty of Veterinarian Medicine of the Universidad Autónoma de Yucatán. March 18th, 1993. Merida, Yucatan, Mexico. (Spanish).

## SERVICE

### Proposal reviewer

National Science Foundation: Population and Evolutionary Processes Cluster (2005, 2008), Undergraduate Research and Mentoring in Biological Sciences (URM) program (2007, 2008), Physical Anthropology Program (2010, 2011), Biological Anthropology (2015).

Leaky Foundation (2010, 2011, 2016).

Office of the Vice President for Research, University of Michigan (2011)

### Manuscript reviewer

*Molecular Phylogenetics and Evolution* (2013, 2014), *Journal of Zoology London* (2005), *Zoologischer Anzeiger* (2003), *Neotropical Primates* (1993-present), *American Journal of Primatology* (2006, 2007, 2009, 2012, 2016), *Primates* (2007, 2008, 2009, 2010), *International Journal of Primatology* (2007, 2014, 2015), *Biological Conservation* (2007), *Biotropica* (2008), *American Journal of Physical Anthropology* (2010), *Journal of Biogeography* (2011), *Primate Conservation* (2011), *Mastozoología Neotropical* (2014).

### Editorial services

2014–2015. Co-editor of Special issue on Comparative Phylogeography of Neotropical Primates for the journal *Molecular Phylogenetics and Evolution*.

2006–present. Editor of *Neotropical Primates* (Newsletter of the Primate Specialist Group, Neotropical Section, SSC/IUCN) from 2006 to date. (Editor since 2006, member of the editorial board from 2000 to date, and Assistant editor from 1993 to 2006).

### Conference organizing activities

2016. Organizer of the Symposium “Hybridization and Natural Hybrid Zones in Primates”, which will be held as part of the joint meeting of the International Primatological Society and the American Society of Primatologists, from August 21-27, 2016 in Chicago.

2015. Co-organizer of the V Mexican Congress Primatology, to be held from June 29 to July, 2015 in Veracruz, Mexico (current)

2015. Organizer of the Symposium *Primatología en Latinoamérica* at the V Mexican Congress Primatology, to be held from June 29 to July, 2015 in Veracruz, Mexico (current)

2015. Co-organizer of the workshop “Studying Primate Behavior, Endocrinology and Genetics”. Universidad de San Francisco de Quito. To be held from May 29 - June 6, 2015 in Quito, Ecuador. (current)

2012. Co-organizer of the Symposium *Comparative Biogeography of Neotropical Primates* at the XXIV Congress of the International Primatological Society, August 16, 2012, Cancun, Mexico

2011 – 2012. Member of the Scientific Committee of the XXIV Congress of the International Primatological Society, August 13-17, 2012, Cancun, Mexico.

2011. Co-organizer of the course *Molecular tools for the study and conservation of primates*. Lima, Peru, October 17 – 18, 2011.

2006. Co-organizer of the Second Conservation Assessment and Management Plan Workshop for Mexican Primates. October 16 – 20, 2006. Xalapa, Veracruz, Mexico.
2003. Co-organizer of the Symposium *Towards an Evaluation of the Natural Protected Areas in the Tropics*. December 3 – 5, 2003. Xalapa, Veracruz, Mexico.
1995. Co-organizer of the *V Symposium of the Mexican Primatological Association and III Meeting of the Latinoamerican Society of Primatology*, May 23 – 26, 1995. Puebla, Mexico
1995. Co-organizer of the *Population and Habitat Viability Analyses Workshop for *Alouatta palliata mexicana**. March 2 – 4, 1995. Puebla, México.
1995. Co-organizer of the *Conservation Assessment and Management Plan Workshop for Mexican Primates*. February 28 – March 1, 1995. Puebla, México.
1994. Co-organizer of the *III Regional Meeting: "Biodiversity: Study and Conservation in South-Southeastern Mexico"*. March 7 – 9, 1994. Xalapa, Veracruz, Mexico
1993. Co-organizer of the *IV Symposium of the Mexican Primatological Association*. May 17 – 20, 1993. Tuxtla Gutiérrez, Chiapas, Mexico.
1992. Co-organizer of the *II Regional Meeting "Biodiversity: Study and Conservation in South-Southeastern Mexico"*. October 6 - 9, 1992. Tuxtla Gutiérrez, Chiapas, Mexico.

## MEMBERSHIP IN ACADEMIC SOCIETIES

- Primate Specialist Group, SSC/IUCN**, Regional Coordinator and Advisor for Mesoamerica since 2009. Member since 1993.
- International Primatological Society (IPS)**, lifetime member. Conservation Committee of the IPS: member and general assistant for period 1996–2000.
- American Society of Primatologists (ASP)**, full member since February 2006.
- American Association of Physical Anthropology**, full member since September de 2008.
- Mexican Association of Primatology (AMP)**, member since 1992-present. Treasurer for periods 1993–1995 and 1995–1997. Currently Secretary for period 2012-2016.
- Latin American Society of Primatology (SLAPrim)**, founding member 2013, Treasurer 2015 to date.

## PUBLICATIONS

### Peer reviewed

- Cortés-Ortiz, L.** 2016. Hybridization and hybrid zones. In: International Encyclopedia of Primatology, edited by Agustin Fuentes, Wiley Blackwell Publishers (accepted)
- Bergman, T.J., **Cortés-Ortiz, L.**, Dias P.A.D., Ho, L., Adams, D., Canales-Espinosa, D., Kitchen, D.M. 2016. Striking differences in the loud calls of howler monkey sister species (*Alouatta pigra* and *A. palliata*). American Journal of Primatology. DOI: 10.1002/ajp.22539
- Nidiffer, M.D., **Cortés-Ortiz, L.** 2015. Intragroup genetic relatedness in two howler monkey species (*Alouatta pigra* and *A. palliata*): Implications for understanding social systems and dispersal. American Journal of Primatology, 77:1333–1345

- Cortés-Ortiz, L.**, Aguiar, L., Agostini, I., Kelaita, M.A., Silva, F.E., Bicca-Marques, J.C. 2015. Hybridization in howler monkeys: Current understanding and future directions. In: Kowalewski, M.K., Garber, P.A., Cortés-Ortiz, L., Urbani, B., Youlatos, D. (eds.). *Howler Monkeys: Adaptive Radiation, Systematics, and Morphology*. Developments in Primatology: Progress and Prospects. Springer, New York. Pp.107–131
- Cortés-Ortiz, L.**, Rylands, A.B., Mittermeier, R. 2015. The taxonomy of howler monkeys: integrating old and new knowledge from morphological and genetic studies. In: Kowalewski, M.K., Garber, P.A., Cortés-Ortiz, L., Urbani, B., Youlatos, D. (eds.). *Howler Monkeys: Adaptive Radiation, Systematics, and Morphology*. Developments in Primatology: Progress and Prospects. Springer, New York. Pp. 55–84
- Lynch Alfaro, J.W., **Cortés-Ortiz, L.**, Di Fiore, A., Boubli, J.P. 2015. Comparative biogeography of Neotropical primates: integrating molecular, morphological, paleontological, and paleogeographic evidence. *Molecular Phylogenetics and Evolution*, 82:518–529
- Morales-Jiménez, A.L., **Cortés-Ortiz, L.**, Di Fiore, A. 2015. Phylogenetic relationships of Mesoamerican spider monkeys (*Ateles geoffroyi*): Molecular evidence suggests the need for a revised taxonomy. *Molecular Phylogenetics and Evolution*, 82:484–494
- Di Fiore, A., Chaves, P.B, M.A.; Cornejo, F.M., Schmitt, C.A., Shanee, S., **Cortés-Ortiz, L.**, Fagundes, V., Roos, C., Pacheco, V. 2015. The rise and fall of a genus: Complete mtDNA genomes shed light on the phylogenetic position of yellow-tailed woolly monkeys, *Lagothrix flavicauda*, and on the evolutionary history of the family Atelidae (Primates: Platyrrhini). *Molecular Phylogenetics and Evolution*, 82:495–510
- Ho, L., **Cortés-Ortiz, L.**, Dias, P.A., Canales-Espinosa, D., Kitchen, D.M., Bergman, T.J. 2014. Effect of ancestry on behavioral variation in two species of howler monkeys (*Alouatta pigra* and *A. palliata*) and their hybrids. *American Journal of Primatology* 76 (9): 855–867.
- Dunn, J.C., Shedden-González, A., Cristóbal-Azkarate, J., **Cortés-Ortiz, L.**, Rodríguez-Luna, E., Knapp, L. 2013. Limited genetic diversity in the critically endangered Mexican howler monkey (*Alouatta palliata mexicana*) in the Selva Zoque, Mexico. *Primates*. DOI 10.1007/s10329-013-0399-6
- Dias P.A.D., Alvarado-Serrano D., Rangel-Negrín A., Canales-Espinosa, D., **Cortés-Ortiz, L.** 2013. Landscape attributes affecting the natural hybridization of Mexican howler monkeys. *Primates in Fragments II*. Marsh. L., Chapman, C. (eds.). Springer, New York. Pp. 423–435
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