

KIMBERLY WILLIAMS-GUILLÉN

Paso Pacífico
P.O. Box 1244
Ventura, CA 93002
kim@pasopacifico.org

530 Miller Ave.
Ann Arbor, MI 48103
Cell (206) 992-5075
kimmwilliams@gmail.com

EDUCATION

- PH.D., NEW YORK UNIVERSITY, Department of Anthropology, 2003.
- M.PHIL., NEW YORK UNIVERSITY, Department of Anthropology, 2000.
- M.A., NEW YORK UNIVERSITY, Department of Anthropology, 1998.
- B.A., UNIVERSITY OF CALIFORNIA SANTA CRUZ, Anthropology Board of Studies, 1995.

PROFESSIONAL APPOINTMENTS

- DIRECTOR OF CONSERVATION SCIENCE, Paso Pacífico, Nicaragua, December 2010 – Present.
- VISITING SCHOLAR, University of Michigan, School of Natural Resources and Environment, January 2015 – Present.
- VISITING SCHOLAR, Stanford University, Department of Biology, September 2012 – October 2014.
- ACTING ASSISTANT PROFESSOR, University of Washington Bothell, Department of Interdisciplinary Arts and Sciences, September 2010 – June 2012.
- NSF MINORITY POSTDOCTORAL FELLOW, School of Forest Resources, University of Washington, October 2008 – June 2010; School of Natural Resources & Environment, University of Michigan, June 2006 – September 2008.
- SENIOR FOREST SCIENTIST, Operation Wallacea Honduras, July - August 2005.
- RESEARCH SCIENTIST, Paso Pacífico, Nicaragua, June 2005 – December 2010.
- ADJUNCT LECTURER, City University New York, Hunter & Queens College, Departments of Anthropology, Spring 2005.
- POSTDOCTORAL FELLOW IN WILDLIFE ECOLOGY, Saint Louis Zoo, Bosawás Biodiversity Project, Nicaragua, June 2003 - August 2004.

REFEREED JOURNAL ARTICLES & BOOK CHAPTERS

- Williams-Guillén, K.**, E. Olimpi, B. Maas, P. Taylor, and R. Arlettaz. 2016. Bats in Agriculture: Impacts of Management on and Provision of Ecosystem Services by Chiropterans in the Anthropogenic Matrix. In *Bats in the Anthropocene*, eds. C. Vaughn and T. Kingston, pp. 151-186.
- Maas, B., D. Karp, S. Bumrungsri, K. Darras, D. Gonthier, J.C.C. Huang, C. Lindell, J. Maine, R. Mariano Silva, L. Mestre, N.L. Michel, E.B. Morrison, I. Perfecto, S. Philpott, C.H. Sekercioglu, P.J. Taylor, T. Tschardtke, S. Van Bael, C. Whelan, and **Williams-Guillén, K.** 2015. Bat and bird predation services in tropical forests and agroforestry landscapes. *Biological Reviews* doi: 10.1111/brev.12211.
- Williams-Guillén, K.**, and S. Otterstrom. 2014. Market-based incentives for the conservation of ecosystem services in agricultural areas: The example of coffee in Latin America. In *The Encyclopaedia of Agriculture and Food Systems*, ed. N.K. Van Alfen. Oxford: Academic Press, pp. 172-185.
- Williams-Guillén, K.**, S. Hagell, S. Spehar, S. Otterstrom, and C. Gómez. 2013. Primate populations in fragmented tropical dry forests of southwestern Nicaragua. In *Primates in Fragments: Complexity and Resilience*, eds. L. Marsh and C.A. Chapman. New York: Springer.

- Williams-Guillén, K.,** and I. Perfecto. 2011. Ensemble composition and activity levels of insectivorous bats in response to management intensification in coffee agroforestry systems. *PLoS ONE* 6:1-10.
- Williams-Guillén, K.,** and I. Perfecto. 2010. The effects of agricultural intensification on the phyllostomid bats in a coffee landscape in Chiapas, México. *Biotropica* 42:605-613.
- D. M. Griffith, **Williams-Guillén, K.,** J. Polisar, O. Dixon, K. Bauman, and C. Asa. 2010. Abundancia relativa de animales de caza en diferentes zonas de uso del suelo en un territorio indígena de BOSWAS. *Revista Biodiversidad y Áreas Protegidas* 2:17-28.
- Williams-Guillén, K.,** I. Perfecto, and J. Vandermeer. 2008. Bats limit insects in a tropical agroforestry system. *Science* 320:70.
- Williams-Guillén, K.,** C. McCann, J.C. Martínez Sánchez, and F. Koontz. 2006. Resource availability and habitat use by mantled howling monkeys in a Nicaraguan shade coffee plantation. *Animal Conservation* 9:331-338.
- McCann, C., **K. Williams-Guillén,** F. Koontz, A. Roque, J. Martínez, and C. Koontz. 2003. Shade coffee plantations as wildlife refuge for mantled howler monkeys (*Alouatta palliata*) in Nicaragua. In *Primates in Fragments*, ed. L. Marsh. New York: Kluwer Academic/Plenum Publishers, pp. 321-341.

ADDITIONAL PUBLICATIONS

- Williams-Guillén, K.,** and A. Medina 2011. Evaluación de amenazas a la biodiversidad en el norte central y atlántico sur de Nicaragua: promoviendo el manejo de recursos naturales tras el Programa de Conservación y Turismo Sostenible (PCTS). Paso Pacífico, Managua, Nicaragua.
- Williams-Guillén, K.** 2008. Bats and birds: a potent team for coffee plantations. *BATS* 26(2):4-5.
- Williams-Guillén, K.,** D. M. Griffith, J. Polisar, O. Dixon, G. R. Camilo, and K. Bauman. 2006. Abundancia de animales de caza y características de cacería en el territorio indígena de Kipla Sait Tasbaika, reserva de biosfera BOSWAS. *WANI* 46:37-61.
- Williams-Guillén, K.,** D. M. Griffith, J. Polisar, O. Dixon, G. R. Camilo, and K. Bauman. 2006. *Poblaciones de Animales Silvestres y Sostenibilidad de la Cacería en Kipla Sait Tasbaika, Bosawás, Nicaragua*. Zoológico de Saint Louis, Proyecto Biodiversidad de la Reserva de Biosfera Bosawás, Managua, Nicaragua.
- Williams-Guillén, K.,** C. McCann, and E. Dierenfeld. 2003. Food selection by mantled howling monkeys (*Alouatta palliata*) in a shade coffee plantation: resource abundance and nutrient content. *American Journal of Physical Anthropology*, Suppl. 36:226-227.
- Williams-Guillén, K.,** and C. McCann. 2002. Composición y fenología de la comunidad de árboles en el cafetal con sombra de la hacienda La Luz, Volcán Mombacho, Nicaragua. *Revista Protección Vegetal* (Universidad de El Salvador) Año 12, No. 2:31-38.
- Williams-Guillén, K.,** and C. McCann. 2002. Ranging behavior of Nicaraguan howling monkeys (*Alouatta palliata*) as evidence for within-group competition. *American Journal of Physical Anthropology*, Suppl. 34:166.
- Williams-Guillén, K.,** and C. McCann. 2001. Ranging behavior of howling monkeys (*Alouatta palliata*) in Mombacho Volcano, Nicaragua: a GIS-based approach. *American Journal of Primatology* 54:70-71.

PUBLICATIONS IN REVIEW

- Williams-Guillén, K.,** S. Spehar. Behavior of the Black-Handed Spider Monkey (*Ateles geoffroyi*) in Nicaragua's Highly Fragmented Tropical Dry Forest. (For edited volume *Primatología en Latinoamérica Vol. II*).

FELLOWSHIPS, HONORS, AND AWARDS

- WINNER, WILDLIFE CRIME TECH CHALLENGE, USAID in partnership with the National Geographic Society, the Smithsonian Institution, and TRAFFIC, for “The trade of endangered sea turtle eggs: detecting and monitoring regional transit routes,” 2016.
- NSF MINORITY POSTDOCTORAL FELLOWSHIP, National Science Foundation, 2006 – 2010.
- AAAS SCIENCE & TECHNOLOGY POLICY FELLOWSHIP, American Association for the Advancement of Science, 2006 (Declined).
- SHERWOOD WASHBURN STUDENT PAPER AWARD, American Association of Physical Anthropologists, 2003.
- DEAN’S DISSERTATION FELLOWSHIP, New York University, 2002.
- MCCracken FELLOWSHIP, New York University, 1995-1998.
- HIGHEST HONORS IN THE MAJOR, University of California, Santa Cruz, 1995.
- COWELL COLLEGE HONORS, University of California, Santa Cruz, 1995.
- REGENT’S SCHOLARSHIP, University of California, Santa Cruz, 1991-1995.
- NATIONAL MERIT SCHOLARSHIP, 1991-1995.

SELECTED RESEARCH GRANTS AS PI OR CO-PI (OF OVER \$900,000)

- 2016. “Conservation of the Endangered Black-Handed Spider Monkey *Ateles geoffroyi* and Sympatric Primates in Nicaragua’s Paso del Istmo Biological Corridor.” MARGOT MARSH BIODIVERSITY FOUNDATION: \$15,000.
- 2016. “Full Life-Cycle Conservation for Two Listed Bird Species.” USFWS NEOTROPICAL MIGRATORY BIRD CONSERVATION ACT GRANT: \$97,089.
- 2016. “Securing the future for Yellow-Naped Amazon parrots in Nicaragua.” LOROPARQUE FOUNDATION: €35,000.
- 2015. “Conserving a Newly Discovered Population of the Critically Endangered Robber Frog *Craugastor ranoides* in an Amphibian “Crossroads” in Southwestern Nicaragua.” US FISH AND WILDLIFE SERVICE, AMPHIBIANS IN DECLINE PROGRAM: \$20,820.
- 2015. “Safeguarding Nicaragua’s Endangered Spider Monkey.” DISNEY WORLDWIDE CONSERVATION FUND: \$25,000.
- 2015. “Integrating Local Stewardship, Citizen Science, and Research to Conserve Nicaragua’s Yellow-Naped Amazon (*Amazona auropalliata*).” LOROPARQUE FOUNDATION: €20,800.
- 2014. “Citizen Science and Community Involvement to Conserve Jaguars and Mitigate Human-Wildlife Conflict in Nicaragua’s Paso del Istmo Biological Corridor.” AZA CONSERVATION GRANTS FUND: \$15,810.
- 2014. “Conserving Nicaragua’s Bats by Demonstrating their Value for Smallholder Farmers (continuation).” CONSERVATION, FOOD, AND HEALTH FOUNDATION: \$22,000.
- 2014. “Conserving a Newly-Discovered Population of the Critically Endangered Robber Frog *Craugastor ranoides* in Nicaragua.” MOHAMED BIN ZAYED SPECIES CONSERVATION FUND: \$5,200.
- 2014. “Saving Nicaragua’s Endangered Spider Monkey.” DISNEY WORLDWIDE CONSERVATION FUND: \$24,540.
- 2014. “Conserving Nicaragua’s Yellow-naped Amazon (*Amazona auropalliata*) Through Scientific Research, Local Stewardship, and Performance-Based Incentives.” LOROPARQUE FOUNDATION: €19,800.
- 2013. “Involving Nicaraguan Children in Citizen Science to Save the Threatened Yellow-naped Amazon Parrot.” SEAWORLD BUSCH GARDENS CONSERVATION FUND: \$10,000.

- 2013. “Conserving Nicaragua’s Bats by Demonstrating their Value for Smallholder Farmers.” CONSERVATION, FOOD, AND HEALTH FOUNDATION, BAT CONSERVATION INTERNATIONAL: \$28,245.
- 2012. “Population Assessment and Survey of Chytrid Fungus Infection in a Newly-discovered Population of Endangered Robber Frogs in Southwestern Nicaragua.” US FISH AND WILDLIFE SERVICE, AMPHIBIANS IN DECLINE PROGRAM: \$18,000.
- 2012. “Bat Conservation in Nicaragua Through Increased Public Awareness.” BAT CONSERVATION INTERNATIONAL: \$6,000.
- 2006-2009. “Diversity and Ecological Function of Bats in the Coffee Agroecosystem.” NATIONAL SCIENCE FOUNDATION #DBI-0610473: \$183,000.
- K. Williams-Guillén. 2007/2008. “Diversity and Ecological Function of Bats in the Coffee Agroecosystem.” BAT CONSERVATION INTERNATIONAL: \$7,000.
- I. Perfecto and K. Williams-Guillén. 2008/2010. “Investigating Trophic Interactions with Molecular Methods: Insectivory by Bats and Birds in the Coffee Agroecosystem.” UNIVERSITY OF MICHIGAN, SCHOOL OF NATURAL RESOURCES SEED GRANTS: \$15,024.
- C. Jolly, K. Williams-Guillén, and C. McCann. 2000. “The Behavioral Ecology of Mantled Howler Monkeys Living in Coffee Plantations.” NATIONAL SCIENCE FOUNDATION DOCTORAL DISSERTATION IMPROVEMENT GRANT #BCS-9909022: \$9,950.

TEACHING EXPERIENCE

- ACTING ASSISTANT PROFESSOR, Interdisciplinary Arts and Sciences, University of Washington Bothell, Fall 2010 through Spring 2012.
 - *BBIO 180, Introductory Biology* (Fall 2010, Fall 2011).
 - *BES 301, Scientific Methods and Practice* (Winter 2012).
 - *BES 312, Ecology* (Spring 2012).
- INSTRUCTOR, Short Course in Biodiversity and Conservation, UNAN-León, Nicaragua, June 2011.
- LEAD INSTRUCTOR, Field Course in Bat Ecology and Conservation, Nicaragua, April 2008 & January 2009.
- ADJUNCT LECTURER, City University New York, Hunter & Queens College, Departments of Anthropology, Spring 2005. Courses: *Introduction to Human Evolution*.
- SUBSTITUTE LECTURER, Department of Anthropology, Queens College, New York, Fall 2002. Courses: *Introduction to Human Evolution; Essentials of Biological Anthropology*.
- TEACHING ASSISTANT, Department of Anthropology, New York University, 1998 - 2002. Courses: *Human Origins, Human Evolution, Health and Disease in Human Evolution, Evolution and Biology of Human Behavior*.

MENTORSHIP EXPERIENCE

- MASTER’S PROJECT SPONSOR, School of Natural Resources and Environment, University of Michigan:
 - 2015-2016: Effect of shade trees on pasture on biodiversity and livestock health (John Andreoni, Lillian Kline, Astrid Santiago, Alexander Truelove, Advisor Ivette Perfecto)
 - 2015-2016: Biodiversity value and farmer perceptions of living fence rows as a restoration strategy in Nicaragua (Elizabeth Dorgay, Rachel Muelle, Andrew Klooster, Advisor Ivette Perfecto)
- RESEARCH MENTOR, Undergraduate Research Opportunity Program, University of Michigan:
 - 2016: Two undergraduate research assistants
 - 2006-2008: Four undergraduate research assistants

- RESEARCH MENTOR, Undergraduate Research Program, University of Washington: Eight undergraduate research interns.
- MENTOR, ESA SEEDS Program, 2011 (Austin, TX) and 2010 (Pittsburgh, PA).
- THESIS ADVISOR, Universidad Metropolitana Autónoma, Mexico City, Mexico: One undergraduate student thesis co-advised.
- FIELD RESEARCH SUPERVISOR, Operation Wallacea, Honduras: Two undergraduate student theses supervised during data collection.

ADDITIONAL COURSEWORK AND PROFESSIONAL DEVELOPMENT

- THE BEE COURSE. American Museum of Natural History/Southwestern Research Station, August 25-September 4, 2013, Portal, AZ.
- MONITORING BIODIVERSITY IN A CHANGING WORLD: Estimating Occupancy Dynamics in Diverse Ecosystems Through Single and Multi-Species Models, Escuela de Biología, Universidad de Costa Rica, June 22-23, 2013, Heredia, Costa Rica.
- BIODIVERSITY AND ECOSYSTEM VALUATION IN THE TROPICS (TROPICAL BIODIVERSITY INITIATIVE), Las Cruces Biological Station, June 17-21, 2013, Coto Brus, Costa Rica.
- WOMEN EVOLVING THE BIOLOGICAL SCIENCES SYMPOSIUM, Wake Forest Conference Center, October 19-22, 2008, Eatonville, WA.
- EXPLORING SPATIAL STATISTICS IN ARCGIS 9, Center for Statistical Consultation and Research, University of Michigan, January 31, 2008, Ann Arbor, MI.
- INSTITUTE ON TEACHING AND MENTORING, Compact for Faculty Diversity, October 25-28, 2007, Washington, D.C.
- PREPARING FUTURE FACULTY CONFERENCE, Center for Research on Teaching and Learning, University of Michigan, October 2, 2007, Ann Arbor, MI.
- BAT ACOUSTIC MONITORING WORKSHOP, Bat Conservation International, September 11-16, 2007, Mammoth Cave, KY.
- INSTITUTE ON TEACHING AND MENTORING, Compact for Faculty Diversity, October 24-27, 2006, Miami, FL.
- BAT CONSERVATION AND MANAGEMENT WORKSHOP, Bat Conservation International, August 21-26, 2006, Mammoth Cave, KY.
- WORKSHOP ON BAT CAPTURE TECHNIQUES, Great Swamp Wildlife Refuge, June 2-4, 2006, Great Swamp, NJ.
- STIMULATING DEEPER LEARNING IN LARGE LECTURE CLASSES, Center for Teaching Excellence, New York University, November 19, 2002, New York, NY.

ADDITIONAL SKILLS

- LANGUAGE SKILLS: Bilingual, fluent in English and Spanish, with extensive experience communicating about field research methods, logistics, and results; basic reading of Portuguese.
- COMPUTER SKILLS: Microsoft Office applications (Word, Excel, PowerPoint, Access); statistical software (SPSS, R); ArcMap GIS software; Adobe Software (Acrobat, Photoshop, Illustrator).
- PROJECT MANAGEMENT & ADMINISTRATIVE SKILLS: Development, realization, and evaluation of conservation research programs; employee management and supervision; writing reports and professional correspondence; budget development and planning, basic accounting and payroll.

INVENTIONS

- “InvestEGGator” artificial sea turtle egg for tracking trade routes and poacher movements (see <https://goo.gl/9B8eRh> for press coverage).

INVITED LECTURE, CONFERENCE, AND SYMPOSIA PRESENTATIONS

- Williams-Guillén, K. 2016. "Biodiversity and Conservation in Nicaragua's Tropical Dry Forests: Insights from Molecular Biology," 8th Nicaraguan Biotechnology Conference, Granada, Nicaragua.
- Williams-Guillén, K., and S. Otterstrom. 2012. Restoration for multiple ecosystem services in southwestern Nicaragua. Holl Lab, University of California, Santa Cruz, California.
- Williams-Guillén, K. 2011. Ecosystem services of bats in coffee agroforests. Science Programs Seminar Series, Washington State University, Vancouver, Washington.
- Williams-Guillén, K. 2011. Ecosystem services of insectivorous bats in a diverse Neotropical agroforestry system. Organized oral session, "Conserving Bats to Ensure a Healthy Planet," Ecological Society of America, Austin, Texas.
- Williams-Guillén, K. 2010. How the other half lives: activity and diets of insectivorous bats in the coffee agroforestry system. Forestry Seminar Series, Northern Arizona University, School of Forestry, Flagstaff, Arizona.
- Williams-Guillén, K. 2008. Diversity and ecological function of bats in coffee agroforests of Chiapas, Mexico. Wildlife Seminar Series, University of Washington, School of Forest Resources, Seattle, Washington.
- Williams-Guillén, K., I. Perfecto, and J. Vandermeer. 2007. Bat community structure in traditional and intensive coffee agroforests in the Sierra Madre of Chiapas, México. Symposium, "Ecology and Conservation of Bats in Agroecosystems," International Bat Research Conference, Mérida, México.
- Williams-Guillén, K., I. Perfecto, and J. Vandermeer. 2007. Bats as agents of biocontrol: bats and birds regulate arthropod populations in a shade coffee plantation. Symposium, "Ecology and Conservation of Bats in Agroecosystems," International Bat Research Conference, Mérida, México.
- Williams-Guillén, K., I. Perfecto, and J. Vandermeer. 2007. Positive interactions between vertebrate insectivores: bats and birds control arthropods in a coffee agroforest. Organized oral session, "Agroforests as Model Systems for Ecology," Ecological Society of America, San José, California.
- Williams-Guillén, K., I. Perfecto, and J. Vandermeer. 2007. Positive interactions between vertebrate insectivores: bats and birds control arthropods in a coffee agroforest. Symposium, "Ecology of Coffee Agroforests," Association for Tropical Biology & Conservation, Morelia, México.
- Williams-Guillén, K., and C. McCann. 2005. Shade coffee as habitat for mantled howler monkeys in Mombacho Volcano, Nicaragua. Invited lecture series, Smithsonian Migratory Bird Center, Washington D.C.

ADDITIONAL CONFERENCE PRESENTATIONS

- Williams-Guillén, K., M. Lezama, and S. Otterstrom. 2012. Incentivos para promover la conservación de la Lora Nuca Amarilla en Nicaragua. Sociedad Mesoamericana para La Biología y Conservación, Simposio Psittacidos, Ciudad de Panamá, Panamá.
- Williams-Guillén, K., and I. Perfecto. 2012. Diets of Foliage-Gleaning Insectivorous Bats in Mexican Shade Coffee Plantations. Ecological Society of America, Portland, OR.
- Otterstrom, S., and K. Williams-Guillén. 2012. Reforestation for multiple ecosystem services in Nicaragua. Yale Chapter of the International Society for Tropical Forestry 18th Annual Conference, New Haven, CT.
- Williams-Guillén, K. 2011. Availability and occupancy of tree holes and hollows by bats across a gradient of agricultural intensification in coffee agroecosystems in Chiapas, Mexico. North American Society for Bat Research, Toronto, Canada.

- Ness, M.*, and K. Williams-Guillén. 2011. Detecting secondary predation with molecular methods. North American Society for Bat Research, Toronto, Canada.
- Williams-Guillén, K. and I. Perfecto. 2010. Investigating trophic interactions with molecular methods: Consumption of arthropod pests by bats in the coffee agroecosystem. Ecological Society of America, Pittsburgh, PA.
- Williams-Guillén, K. and I. Perfecto. 2010. Bats consume insect pests in a tropical agroecosystem. Conservation in Practice: from Anthropology to Zoology, University of Washington, Seattle, WA.
- Williams-Guillén, K., I. Perfecto, and J. Vandermeer. 2008. Activity Patterns of Non-Phyllostomid Bats Across a Gradient of Agricultural Intensification in Coffee Agroecosystems of Chiapas, Mexico. 38th Annual Meeting, North American Society for Bat Research, Scranton, PA.
- Williams-Guillén, S. Otterstrom, y S. Hagell. 2006. Estado actual de poblaciones de primates en la Reserva de Vida Silvestre Chococente, Nicaragua. Sociedad Mesoamericana para la Biología y Conservación, Antigua, Guatemala.
- Williams-Guillén, C. Asa, G. Camilo, P. McDaniel, and O. Dixon. 2004. Cacería de subsistencia por la gente indígena de la Reserva de Biosfera BOSAWÁS, Nicaragua. Sociedad Mesoamericana para la Biología y Conservación, Managua, Nicaragua.
- Williams-Guillén, K., C. Asa, G. Camilo, P. McDaniel, and O. Dixon. 2004. Subsistence hunting by indigenous peoples in BOSAWÁS Biosphere Reserve, Nicaragua. Society for Conservation Biology, New York, NY.
- Williams-Guillén, K., C. McCann, and E. Dierenfeld. 2003. Food Selection by Mantled Howling Monkeys in a Shade Coffee Plantation: Resource Abundance and Nutrient Content. American Association of Physical Anthropologists, Tempe, AZ. [STUDENT PRIZE WINNER]
- Williams-Guillén, K., and C. McCann. 2002. Ecology and conservation of mantled howling monkeys in the shade coffee plantations of Mombacho Volcano, Nicaragua. Society for Conservation Biology, Canterbury, UK.
- Williams-Guillén, K., and C. McCann. 2002. Ranging behavior of Nicaraguan howling monkeys (*Alouatta palliata*) as evidence of within-group competition. American Association of Physical Anthropologists, Buffalo, NY.
- Williams-Guillén, K., and C. McCann. 2002. Territorios y patrones de movimiento del mono aullador (*Alouatta palliata*) en un cafetal con sombra del Volcán Mombacho, Nicaragua. Sociedad Mesoamericana para la Biología y Conservación, San Salvador, El Salvador.
- Williams-Guillén, K., and C. McCann. 2001. Ranging behavior of howling monkeys (*Alouatta palliata*) in Mombacho Volcano, Nicaragua: a GIS-based approach. American Society of Primatologists, Savannah, GA.
- Williams-Guillén, K. 2000. Informe preliminar sobre la ecología y conservación de los monos aulladores (*Alouatta palliata*) en los cafetales con sombra del Volcán Mombacho, Nicaragua. Sociedad Mesoamericana para la Biología y Conservación, Panamá City, Panamá.

SERVICE

- REVIEW EXPERIENCE
 - Subject editor for *Biotropica*, 2010 – 2014.
 - Manuscript review for *Acta Zoologica Mexicana*, *Annals of the New York Academy of Sciences*, *Biological Conservation*, *Biotropica*, *Current Biology*, *Forest Ecology and Management*, *Journal of Applied Ecology*, *Mammalian Biology*, *Tropical Ecology and Conservation*
- CONFERENCE ORGANIZATION
 - Substitute chair, Symposium, “Ecology and Conservation of Bats in Agroecosystems,” International Bat Research Conference, Mérida, México, 2007

- Co-chair, organized session “Ecosystem Services Provided by Bats,” Ecological Society of America, Austin, Texas, August 2011.
- Chair and organizer, Symposium, “Agroecosystems As Foci for Conservation in the Neotropics: Bridging the Gap From Science to Action,” Association for Tropical Biology and Conservation, San José, Costa Rica, June 2013.
- COMMITTEES:
 - Member of blue-ribbon panel conducting independent review of Environmental Impact Assessment of the Nicaraguan Inter-oceanic Canal, Miami International University, 2015
 - Elected member of committee negotiating pay and benefits for graduate student employees, Graduate Student Organizing Committee, New York University, 2002
- CONSERVATION WORKSHOPS: Taller de Conservación, Asesoramiento y Manejo Planificado de Primates de México, October 2006, Xalapa, Mexico; Organizer and instructor for two training workshops on bat research and conservation for Central American students, presented in collaboration with Bat Conservation International, US Forest Service, and Paso Pacífico, April 2008 and January 2009.

PROFESSIONAL AFFILIATIONS

American Association of Zoos and Aquariums, Association of Tropical Biology and Conservation, Ecological Society of America, North American Society for Bat Research, Sociedad Mesoamericana para la Biología y Conservación

REFERENCES

- DR. SARAH OTTERSTROM, Executive Director, Paso Pacífico, PO Box 1244, Ventura, CA 93002-1244. Tel: (805) 643-7044. Email: sarah@pasopacifico.org. (*Supervisor & collaborator*)
- DR. IVETTE PERFECTO, Professor, School of Natural Resources and Environment, University of Michigan, 440 Church St., Ann Arbor, MI 48109. Tel: (734) 764-1433. Email: perfecto@umich.edu. (*Postdoctoral advisor*)
- DR. RODOLFO DIRZO, Professor, Department of Biology, Stanford University, 371 Serra Mall, Stanford, CA 94305-5020. Tel: (650) 725-6691. Email: dirzo@stanford.edu. (*Colleague and departmental sponsor*)
- DR. MARTHA GROOM, Professor, Interdisciplinary Arts & Sciences, University of Washington Bothell, Box 358530, 18115 Campus Way NE, Bothell, WA 98011-8246. Tel: (425) 352-5410. Email: groom@u.washington.edu. (*Colleague and mentor*)
- DR. COLLEEN M. MCCANN, Associate Curator, Department of Mammals, Wildlife Conservation Society, 185th Street & Southern Blvd., Bronx, NY 10460. Tel: (718) 220-5161. Email: cmccann@wcs.org. (*Dissertation advisor*)