

CURRICULUM VITAE

JORDAN KARUBIAN

ADDRESS

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PROFESSIONAL POSITIONS

- 2010 – ASSISTANT PROFESSOR
Tulane University, *Department of Ecology and Evolutionary Biology*
- 2007 – 2009 ASSOCIATE RESEARCHER
University of California, Los Angeles, *Institute of the Environment*
- 2002 – 2009 LATIN AMERICA DIRECTOR
University of California, Los Angeles, *Center for Tropical Research*
- 2004 – 2007 ASSISTANT RESEARCHER
University of California, Los Angeles, *Institute of the Environment*

EDUCATION

- 2004 - 2006 NSF INTL. RESEARCH FELLOW (*Sponsor: Dr. D. Romo*)
Universidad San Francisco de Quito, Ecuador, *Dept. of Biology*
- 2002 - 2004 POST-DOCTORAL FELLOW (*Sponsor: Dr. T.B. Smith*)
University of California, Los Angeles, *Dept Org. Biol. Ecol. & Evol.*
- 2001 PH.D. (*Advisor: Dr. S. Pruett-Jones*)
The University of Chicago, Department of Ecology & Evolution
Thesis Title: Evolution of sexual dimorphism in birds
- 1997 M.S. (*Advisor: Dr. S. Pruett-Jones*)
The University of Chicago, Department of Ecology & Evolution

1993 B.S. (*Advisor: Dr. J. Bradbury*)
University of California, San Diego, *Dept. Evol, Behav. & Ecol.*

HONORS & AWARDS

2004 International Research Fellow, National Science Foundation
2003 Fulbright Fellow, U.S. Scholar Program
Research Fellow, Wildlife Conservation Society
Research Fellow, National Geographic Society
2000 Baroody Award, Best Student Presentation, American Ornithologist Union
Marcia Brady Tucker Travel Award, American Ornithologist's Union
1997 Four-year Departmental Fellowship, University of Chicago

RESEARCH ARTICLES (* indicates student author)

Varian-Ramos, C.W.*, J. Karubian, V. Talbott*, I. Tapia*, and M.S. Webster. The effects of repayment and competition on offspring sex ratios in the cooperatively breeding red-backed fairy-wren. *Behavioral Ecology and Sociobiology*. Accepted.

Karubian, J., J.P. Swaddle, C.W. Varian-Ramos*, and M.S. Webster. 2009. The relative importance of male tail length and nuptial plumage on social dominance and mate choice in the red-backed fairy-wren: evidence for the multiple receiver hypothesis. *Journal of Avian Biology*. In press.

Karubian, J. and R. Durães. 2009. Effects of seed disperser social behavior on patterns of seed movement and deposition *Oecologia Brasiliensis* 13(1): 45-57.

Karubian, J., T.S. Sillett, and M.S. Webster. 2008. The effects of plumage color on aggression and survival in male red-backed fairy-wrens. *Behavioral Ecology* 19(3): 507-516.

Karubian, J. 2008. Changes in breeding status are associated with rapid bill darkening in male red-backed fairy-wrens *Malurus melanocephalus*. *Journal of Avian Biology* 39(1):81-86.

Macedo R.H., J. Karubian, and M.S. Webster. 2008. Extra-pair paternity and sexual selection in socially monogamous birds: are tropical birds different? *Auk*. 125(4):769-777.

Webster, M.S., C.W. Varian*, and J. Karubian. 2008. Plumage color and reproduction in the red-backed fairy-wren: Why be a dull breeder? *Behavioral Ecology* 19(3): 517-524.

- Karubian, J. and L. Carrasco*. 2008. Home range and habitat preferences of the Banded Ground-cuckoo *Neomorphus radiolosus*. *Wilson Journal of Ornithology* 120:205-209.
- Tori, W.P.*, R. Durães*, T.B. Ryder*, M. Anciães*, J. Karubian, R.H. Macedo, J.A.C. Uy, P.G. Parker, T.B. Smith, A.C. Stein*, M.S. Webster, J.G. Blake, and B.A. Loiselle. 2008. Advances in sexual selection theory: insights from tropical avifauna. *Neotropical Ornithology* 19:151-163.
- Carrasco, L.*, A. Cook*, and J. Karubian. 2008. Range extensions for eight species of bird in the Mache-Chindul mountains, Ecuador. *Cotinga* 29:72-76.
- Karubian, J., L. Carrasco*, D. Cabrera, A. Cook*, and J. Olivo. 2007. Nesting biology of the banded-ground cuckoo. *Wilson Journal of Ornithology* 119(2):222-228.
- Karubian, J., J. Fabarra*, D. Yunes*, J. Jorgenson, D. Romo, and T.B. Smith. 2005. Temporal and spatial patterns of macaw abundance in the Ecuadorian Amazon. *Condor* 107(3):617-626.
- Karubian, J., G. Casteneda*, J.F. Freile*, T. Santander*, and T.B. Smith. 2003. Breeding biology and nesting behavior of the long-wattled umbrellabird *Cephalopterus penduliger* in northwestern Ecuador. *Bird Conservation International* 13:351-360.
- Karubian, J. 2002. Costs and benefits of variable breeding plumage in the red-backed fairy-wren. *Evolution* 56(8): 1673-1682.
- Karubian, J. and A. Alvarado*. 2002. Testing the function of petal displays in the red-backed fairy-wren. *Emu* 103:87-92.
- Karubian, J. and J.P. Swaddle. 2001. Selection on females can lead to 'larger males'. *Proceedings of the Royal Society of London (B)* 268:725-728.
- Karubian, J. 2001. Social organization and mating system of the Striated Grasswren. *Condor* 103:412-418.
- Swaddle, J.P., J. Karubian, and S. Pruett-Jones. 2000. A novel pattern of reversed sexual dimorphism in fairy-wrens: implications for sexual selection. *Behavioral Ecology* 11:345-349.
- Wetterer, J.K., A.L. Wetterer, C. Rumbaitis-del Rio, C. Chang, G. Vega, L. Manne, J. Aukema, J. Karubian, A. Sloan, & M. Desai. 2000. Diel shifts in tree-hopper tending by wasps and ants in Costa Rica. *Sociobiology* 36:123-131.
- Hall, L.S. and J. Karubian. 1996. Breeding behavior of the elegant trogon in southeast Arizona. *Auk* 113:143-150.

MANUSCRIPTS IN REVIEW (* indicates student author)

Karubian, J., R. Durães*, J. Storey*, and T.B. Smith. Linking social behavior and seed dispersal outcomes in the long-wattled umbrellabird *Cephalopterus penduliger*.

Varian-Ramos, C.W., W.R. Lindsay*, J. Karubian, J., and M.S. Webster. Is extra-pair paternity costly to female red-backed fairy-wrens (*Malurus melanocephalus*)?

POPULAR ARTICLES

2008 Article on Long-wattled Umbrellabird accepted at Natural History Magazine

RESEARCH GRANTS

- 2009 *Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
Social environment, hormones, and ontogenetic carry-over effects on male reproductive phenotypes in a polymorphic bird. National Science Foundation (IOS-0818962, M.S. Webster, PI)
Multidisciplinary Approach to Conserving Neotropical Migrant in the Ecuadorian Chocó. United States Fish & Wildlife Service
- 2007 *Conservation and basic research in the Ecuadorian Chocó*, Conservation, Food, and Health Foundation
Umbrellabird Conservation in the Chocó. Disney Wildlife Conservation Fund
Conservation of the Banded Ground-cuckoo. Cleveland Metroparks Zoo
Effects of deforestation on disease prevalence in Neotropical rain forest birds. UCLA Academic Senate (T.B. Smith, PI)
The effects of habitat alteration on gene flow of a tropical palm in Chocó rain forest, northwest Ecuador. UCLA Academic Senate (V.L. Sork, PI)
- 2006 *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
Umbrellabird Conservation in the Chocó. Disney Wildlife Conservation Fund
- 2005 *Conservation and basic research in the Ecuadorian Chocó*. Conservation, Food, and Health Foundation
Umbrellabird Conservation in the Chocó. Disney Wildlife Conservation Fund
Banded Ground-cuckoo basic biology in Ecuador. Cleveland Metroparks Zoo
- 2004 *Ecology of the Long-wattled Umbrellabird and other avian frugivores in the Ecuadorian Chocó*. National Science Foundation (OISE-0402137)
Conservation and basic research in the Ecuadorian Chocó. Conservation, Food, and Health Foundation
Basic Biology of the Long-wattled Umbrellabird. Chicago Zoological Society
Radio Telemetry of Scarlet Macaws in the Ecuadorian Amazon. Wildlife Conservation Society
Umbrellabird Conservation in the Chocó. Disney Wildlife Conservation Fund
- 2003 *Mating biology & basic ecology of the Long-wattled Umbrellabird*. National

- Geographic Society
Basic biology and conservation of Long-wattled Umbrellabirds. Wildlife Conservation Society
- Umbrellabird Conservation in the Chocó*. Disney Wildlife Conservation Fund
- Natural history of Long-wattled Umbrellabirds in Ecuador*. Fulbright Fellowship U.S. Scholars Program
- 2002 *Plumage color polymorphism in Red-backed Fairy-wrens: mechanism and function*. National Science Foundation (IBN-0213075; M.S. Webster, PI)
- Density and abundance of macaws in the Ecuadorian Amazon*. Wildlife Conservation Society
- 2000 *Molecular analyses of the Red-backed Fairy-wren mating system*. Hinds Fund, University of Chicago
- Evolution of bright male plumage in the Red-backed Fairy-wren*. American Ornithologist's Union
- Genetic analyses of the Red-backed Fairy-wren*. Chapman Fund, American Museum of Natural History
- Mating system of Red-backed Fairy-wrens: ecology and behavior*. Animal Behavior Society
- 1999 *Evolution of delayed plumage maturation in the Red-backed Fairy-wren: social, genetic and behavioral perspectives*. National Science Foundation DDIG (IBN 9972607, S. Pruett-Jones, PI)
- Social organization in the Red-backed Fairy-wren*. Chapman Fund, American Museum of Natural History
- Behavior and conservation of the Red-backed Fairy-wren*. American Ornithologist's Union
- 1998 *Social behavior of the Red-backed Fairy-wren*. The Hinds Fund, University of Chicago
- 1997 *Genetic analyses of population structure of the Striated Grasswren*. The Hinds Fund, University of Chicago
- 1996 *Conservation of the Striated Grasswren*. Chicago Zoological Society
- Niche partitioning in rainforest birds*. Organization for Tropical Studies

RESEARCH PRESENTATIONS (* indicates student author)

- Karubian, J., J. Swaddle, C. Varians* and M.S. Webster. 2009. Multiple signals for multiple receivers in the red-backed fairy-wren *Malurus melanocephalus*. 46th Annual Meeting of the Animal Behavior Society, Pirenopolis, Brazil.
- Karubian, J., R. Durães, V. Sork, and T. Smith. 2009. Disperser mating system affects a tropical palm's seed movement and seedling genetic structure. *Living in a defaunated world: Consequences for plant-animal interactions Symposium*. Stanford University, Palo Alto CA (poster)
- Karubian, J. 2009. Ecological and evolutionary consequences of avian social behavior: two case studies from the tropics. *Claremont-McKenna College*, Pomona, CA. (Invited)
- Karubian, J. 2009. Ecological and evolutionary consequences of avian social behavior: two case studies from the tropics. *Tulane University*, New Orleans, LA. (Invited)

- Karubian, J. 2008. Seed dispersal, social behavior, and conservation. *Loyola Marymount University*, Los Angeles, California. (Invited)
- Karubian, J. 2008. Linking social behavior to seed dispersal outcomes. *University of California, Los Angeles*, Los Angeles, California. (Invited)
- Karubian, J., R. Durães, V. Sork, and T. Smith. 2008. Sex-specific reproductive strategies yield distinctive seed dispersal patterns in a lek-breeding bird. *XII meeting of the International Society of Behavioral Ecology*, Ithaca, New York.
- Karubian, J. 2008. Conservation of macaws, parrots, and other at-risk species in the Ecuadorian Chocó. *Parrots Interntational Symposium*, Long Beach, California (Invited).
- Karubian, J. 2007. Conservation of ecological and evolutionary processes in a Neotropical rainforest. *California Academy of Sciences*, San Francisco, California (Invited).
- Karubian, J. 2007. Ecology, reproductive biology, and conservation of three endangered species of bird in the Ecuadorian Chocó. *XXXI Jornadas de Biología*, Guayaquil, Ecuador.
- Karubian, J. 2007. Multidisciplinary approaches to conserving tropical rain forest: a case study from the Ecuadorian Chocó. *Occidental College*, Los Angeles, California (Invited)
- Karubian, J., C.W. Varian*, and M.S. Webster. 2007. Adaptive consequences of male polymorphism in the Red-backed Fairy-wren. *University of California, Riverside*. Riverside, California (Invited)
- Karubian, J. and T.B. Smith. 2007. Sexual selection in the Long-wattled Umbrellabird. *Neotropical Ornithological Congress*, Maturin, Venezuela (Sexual Selection Symposium, Invited)
- Karubian, J., J.L. Storey*, and T.B. Smith. 2007. Ecological consequences of intraspecific behavioral variation in the Long-wattled Umbrellabird. *Neotropical Ornithological Society*, Maturin, Venezuela
- Karubian, J., L. Carrasco*, and A. Cook*. 2007. Home range and habitat requirements of the Banded Ground-cuckoo. *Neotropical Ornithological Society*, Maturin, Venezuela
- Karubian, J. 2006. Causes and consequences of color variation in male Red-backed Fairy-wrens. *Animal Behavior Seminar Series University of Chicago*, Chicago, Illinois (Invited)
- Karubian, J., J.L. Storey*, and T.B. Smith. 2006. Seed dispersal by Long-wattled Umbrellabirds. *North American Ornithological Society*, Veracruz, Mexico (Poster)
- Karubian, J., C.W. Varians*, W.R. Lindsay*, and M.S. Webster. 2006. Shifts in social environment trigger rapid phenotypic change in male Red-backed Fairy-wrens. *Animal Behavior Society*, Snowbird, Utah
- Karubian, J. and T.B. Smith. 2004. Conservation of the Long-wattled Umbrellabird in the Ecuadorian Chocó. *Society for Conservation Biology*, New York, New York
- Karubian, J. 2004. Ecology and conservation of the Ecuadorian Chocó *Fulbright Commission Seminar Series*, Quito, Ecuador (Invited)
- Karubian, J. 2003. Costs and benefits of variable male plumage in the Red-backed Fairy-wren. *Society for the Study of Evolution and American Naturalists Society*, Chico, California
- Karubian, J. and T.B. Smith. 2002. Seed dispersal and basic ecology of the Long-

- wattled Umbrellabird. *Universidad San Francisco de Quito*, Quito, Ecuador (Invited)
- Karubian, J. 2001. Mating system and social biology of the Red-backed Fairy-wren. *Universidad Catolica*, Quito, Ecuador (Invited)
- Karubian, J. 2001. Adaptive significance of plumage variation in the Red-backed Fairy-wren. *PhD Thesis Defense University of Chicago*, Chicago, Illinois
- Karubian, J. 2001. Social biology and phenotypic variation in the Red-backed Fairy-wren. *Departmental Natural History Seminar, University of Chicago*, Chicago, Illinois
- Karubian, J. 2000. Adaptive significance of male plumage variation in the Red-backed Fairy-wren. *North American Ornithological Society*, St. Johns, Canada (Best Student Presentation winner)
- Karubian, J. 2000. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *San Francisco State University*, San Francisco, California (Invited)
- Karubian, J. 2000. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *Oberlin College*, Oberlin, Ohio (Invited)
- Karubian, J. 1999. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *Avian Studies Group*, Berkeley, California (Invited)
- Karubian, J. 1999. Costs and benefits of male plumage variation in the Red-backed Fairy-wren *Commonwealth Scientific Investigation Research Organization (CSIRO)*, Queensland, Australia (Invited)
- Karubian, J. 1998. Delayed plumage maturation in the Red-backed Fairy-wren: testing the hypotheses. *James Cook University*, Townsville, Australia (Invited)

OUTREACH PRESENTATIONS

- Karubian, J. 2009. Ground-cuckoos, Umbrellabirds & other rain forest delights: highlights from six years of research & conservation work in the Ecuadorian Chocó. *Audubon Society Pomona Chapter*, Pomona, CA.
- Karubian, J. 2009. Ground-cuckoos, Umbrellabirds & other rain forest delights: highlights from six years of research & conservation work in the Ecuadorian Chocó. *Audubon Society Conejo Valley Chapter*, Camarillo, CA.
- Karubian, J. 2008. How to save a tropical rainforest? *University of Southern California Law School Environmental Group*, Los Angeles, CA.
- Karubian, J. 2008. Research and outreach in the Chocó: An alternative approach to conservation. *Palo Alto Environmental Volunteers Network*, Palo Alto, CA.
- Karubian, J. 2008. Ground-cuckoos, Umbrellabirds & other rain forest delights: highlights from five years of research & conservation work in the Ecuadorian Chocó. *Audubon Society Los Angeles Chapter*, Los Angeles, CA.
- Karubian, J. 2007. Conservation of tropical rain forests. *Pico-Pio Elementary School*, Los Angeles.
- Karubian, J. 2006. Post-doctoral fellowships and grant writing, *North American Ornithological Society*, Veracruz, Mexico (Student Grant-writing Workshop)
- Karubian, J. 2004. Chocó rain forest diversity and conservation. *Fulbright Commission*, Quito, Ecuador.

TEACHING EXPERIENCE

Tulane University
Behavioral Ecology

University of California, Los Angeles
Animal Behavior (EEB129)
Introduction to Ecology & Behavior (EEB 100)

PROFESSIONAL SOCIETIES

American Association for the Advancement of Science
American Ornithologists Union
American Society of Naturalists
Animal Behavior Society
International Society of Behavioral Ecology
Neotropical Ornithological Society
Society for Conservation Biology
Society for the Study of Evolution

SERVICE

2009 Panel Member, Post-doctoral Guidance Workshop, Animal Behavior Society
2009 Judge, Founder's Award, poster competition, Animal Behavior Society
2009 Reviewer, Student research grants, Animal Behavior Society
2008 Reviewer, Student research grants, Animal Behavior Society

REVIEWER

Auk
Behavioral Ecology
Behavioral Ecology and Sociobiology
Biological Reviews
Biotropica
Condor
Cotinga
Emu
Evolution
Journal of Avian Biology
Journal of Field Ornithology
Wilson Journal of Ornithology