

CURRICULUM VITAE
JORDAN KARUBIAN

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Professional Positions

2007 – present ASSOCIATE RESEARCHER
University of California, Los Angeles
Institute of the Environment

2002 – present LATIN AMERICA DIRECTOR
University of California, Los Angeles
Center for Tropical Research at the Institute of the Environment

2004 – 2007 ASSISTANT RESEARCHER
University of California, Los Angeles
Institute of the Environment

2004 - 2006 NSF INTERNATIONAL RESEARCH FELLOW
Universidad San Francisco de Quito, Ecuador
Department of Biology

2003 FULBRIGHT FELLOW (Ecuador)
U.S. Scholars Program

2002 - 2004 POST-DOCTORAL FELLOW
University of California, Los Angeles
Department of Organismic Biology, Ecology, and Evolution

1997 – 2001 VISITING SCHOLAR
Australia National University, Canberra, Australia
Department of Biology

Academic Degrees

2001 THE UNIVERSITY OF CHICAGO, Chicago, IL
Ph.D., Department of Ecology & Evolution
Thesis Title: Evolution of sexual dimorphism in birds
Ph.D. advisor: Prof S. Pruett-Jones

1997 THE UNIVERSITY OF CHICAGO, Chicago, IL
M.S., Department of Ecology & Evolution

1993 UNIVERSITY OF CALIFORNIA, SAN DIEGO, San Diego, CA
B.S., Department of Ecology, Behavior, & Evolution

Honors and 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 (Accepted; * denotes student author)

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* (In Press).

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.

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* (In Press).

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. Anciaes*, **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* (In Press).

Carrasco, L.* , A. Cook*, and **J. Karubian**. 2008. Range extensions for eight species of bird in the Mache-Chindul mountains, Ecuador. *Cotinga* (In Press).

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 (*student author)

Karubian, J., R. Durães*, J. Storey*, and T.B. Smith. Seed disperser services vary in relation to behavioral differences in the Long-wattled Umbrellabird (*Cephalopterus penduliger*). *Ecology*.

Varian, 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*.

Macedo R., **J. Karubian**, and M.S. Webster. Extra-pair paternity and sexual selection in socially monogamous birds: are tropical birds different? *Auk*.

Karubian, J., J.P. Swaddle, C.W. Varian*, and M.S. Webster. Multiple signaling roles for multiple ornaments in male red-backed fairy-wrens: evidence for the multiple receiver hypothesis. *Behavioral Ecology*.

Manuscripts in Preparation (*student author)

Karubian, J., L. Carrasco*, R. Durães*, and T.B. Smith. Effects of selective logging on a Neotropical avian community. To be submitted to *Conservation Biology*.

Karubian, J., J. McCormack*, and G. Grether. No evidence for sexual selection in the green manakin *Chloropipo holochlora*. To be submitted to *Condor*.

Popular Articles

1997-99 Regular columnist for University of Chicago "Free Press" monthly periodical, writing columns on ecological and conservation-related issues.

Research Grants (Awarded) **Total to date: \$925,772**

2007	<i>Conservation and basic research in the Ecuadorian Chocó.</i> Conservation, Food, and Health Foundation	\$27,180
	<i>Long-wattled Umbrellabirds in the Ecuadorian Chocó.</i> Disney Wildlife Conservation Fund	\$22,500
	<i>Conservation of the Banded Ground-cuckoo</i> Cleveland Metroparks Zoo	\$1,500
	<i>Effects of deforestation on disease prevalence in Neotropical Rain forest birds.</i> UCLA Academic Senate (T.B. Smith, PI)	\$10,000
	<i>The effects of habitat alteration on gene flow of a tropical plant, Oenocarpus bataua, in Chocó rain forest, northwest Ecuador</i> UCLA Academic Senate (V.L. Sork, PI)	\$5,000
	<i>Conservation and basic research in the Ecuadorian Chocó.</i> GAIA Foundation	\$87,000
2006	<i>Conservation and basic research in the Ecuadorian Chocó.</i> Conservation, Food, and Health Foundation	\$27,180
	<i>Long-wattled Umbrellabirds in the Ecuadorian Chocó.</i> Disney Wildlife Conservation Fund	\$20,000
2005	<i>Conservation and basic research in the Ecuadorian Chocó.</i> Conservation, Food, and Health Foundation	\$25,012
	<i>Long-wattled Umbrellabirds in the Ecuadorian Chocó.</i> Disney Wildlife Conservation Fund	\$21,000
	<i>Banded Ground-cuckoo basic biology in Ecuador.</i> Cleveland Metroparks Zoo	\$3,000
2004	<i>Ecology of the Long-wattled Umbrellabird and other avian</i>	\$97,500

	<i>frugivores in the Ecuadorian Chocó.</i> National Science Foundation (OISE-0402137)	
	<i>Conservation and basic research in the Ecuadorian Chocó.</i> Conservation, Food, and Health Foundation	\$25,000
	<i>Basic Biology of the Long-wattled Umbrellabird.</i> Chicago Zoological Society	\$3,000
	<i>Radio Telemetry of Scarlet Macaws in the Ecuadorian Amazon.</i> Wildlife Conservation Society	\$10,000
	<i>Long-wattled Umbrellabirds in the Ecuadorian Chocó.</i> Disney Foundation	\$15,000
2003	<i>Sexual selection and seed dispersal in Long-wattled Umbrellabirds.</i> National Geographic Society	\$15,400
	<i>Basic biology and conservation of Long-wattled Umbrellabirds.</i> Wildlife Conservation Society	\$12,000
	<i>Ecology and Conservation of Long-wattled Umbrellabirds.</i> Disney Wildlife Conservation Fund	\$12,000
	<i>Natural history of Long-wattled Umbrellabirds in Ecuador.</i> Fulbright Fellowship U.S. Scholars Program	\$15,000
2002	<i>Plumage color polymorphism in Red-backed Fairy-wrens: Mechanism and function.</i> National Science Foundation (IBN-0213075; M.S. Webster, PI)	\$360,000
	<i>Density and abundance of macaws in the Ecuadorian Amazon.</i> Wildlife Conservation Society	\$7,000
2000	<i>Molecular analyses of the Red-backed Fairy-wren mating system.</i> Hinds Fund, University of Chicago	\$2,000
	<i>Evolution of bright male plumage in the Red-backed Fairy-wren.</i> American Ornithologist's Union	\$2,500
	<i>Mating system of Red-backed Fairy-wrens: ecology and behavior.</i> Animal Behavior Society (top-ranked proposal)	\$2,500
1999	<i>Evolution of delayed plumage maturation in the Red-backed Fairy-wren: social, genetic and behavioral perspectives.</i> National Science Foundation DDIG (IBN 9972607, S. Pruett-Jones, PI)	\$10,000

	<i>Social organization in the Red-backed Fairy-wren.</i> Chapman Fund, American Museum of Natural History	\$3,000
	<i>Genetic analyses of the Red-backed Fairy-wren.</i> Chapman Fund, American Museum of Natural History	\$3,000
	<i>Behavior and conservation of the Red-backed Fairy-wren.</i> American Ornithologist's Union	\$2,500
1998	<i>Social behavior of the Red-backed Fairy-wren.</i> The Hinds Fund, University of Chicago	\$4,000
1997	<i>Genetic analyses of population structure of the Striated Grasswren.</i> The Hinds Fund, University of Chicago	\$3,000
1996	<i>Conservation of the Striated Grasswren.</i> Chicago Zoological Society	\$3,000
	<i>Niche partitioning in rainforest birds.</i> Organization for Tropical Studies	\$1,500
<u>Research Grants (Pending)</u>		
	<i>Social environment, hormones, and ontogenetic carry-over effects on male reproductive phenotypes in a polymorphic bird.</i> National Science Foundation (M.S. Webster, PI)	\$656,546
	<i>Multidisciplinary Approach to Conserving Neotropical Migrant In the Ecuadorian Chocó.</i> United States Fish & Wildlife Service National Migratory Bird Conservation Act.	\$155,000
	<i>Long-wattled Umbrellabirds in the Ecuadorian Chocó.</i> Disney Wildlife Conservation Fund	\$22,500

Research Presentations (* denotes student author)

2007 Karubian, J. Conservation of ecological and evolutionary processes in a Neotropical rainforest. *California Academy of Sciences*, San Francisco, California (Invited)

Karubian, J. Ecology, reproductive biology, and conservation of three endangered species of bird in the Ecuadorian Chocó. *XXXI Jornadas de Biología*, Guayaquil, Ecuador.

Karubian, J. 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. Adaptive consequences of male polymorphism in the Red-backed Fairy-wren. *University of California, Riverside*. Riverside, California (Invited)
- Karubian, J. and T.B. Smith. Sexual selection in the Long-wattled Umbrellabird. *Neotropical Ornithological Congress*, Maturin, Venezuela (Sexual Selection Symposium, Invited)
- Macedo, R.H., J. Karubian, and M.S. Webster. Is sexual promiscuity less common in tropical birds than in temperate birds? *Neotropical Ornithological Society*, Maturin, Venezuela (Sexual Selection Symposium, Invited)
- Karubian, J., J.L. Storey*, and T.B. Smith. Ecological consequences of intraspecific behavioral variation in the Long-wattled Umbrellabird. *Neotropical Ornithological Society*, Maturin, Venezuela
- Karubian, J., L. Carrasco*, and A. Cook*. Home range and habitat requirements of the Banded Ground-cuckoo. *Neotropical Ornithological Society*, Maturin, Venezuela
- Carrasco, L.* , J. Karubian, M.F. Armas*, V. Armas*, and A. Cook*. Abundance and diversity of birds in relation to habitat quality in Chocó rain forest. *Neotropical Ornithological Society*, Maturin, Venezuela
- Webster, M.S., C.W. Varian*, and J. Karubian. Plumage color variation and fitness in a polymorphic bird. *Cooper Ornithological Society*, Moscow, Idaho
- Varian, C.W.* , M.S. Webster, and J. Karubian. The effects of repayment and competition on offspring sex ratios in the cooperatively breeding red-backed fairy-wren. *Cooper Ornithological Society*, Moscow, Idaho (Best student presentation award)
- 2006 Karubian, J. 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. Seed dispersal by Long-wattled Umbrellabirds. *North American Ornithological Society*, Veracruz, Mexico (Poster)
- Karubian, J. Post-doctoral fellowships and grant writing, *North American Ornithological Society*, Veracruz, Mexico (Student Grant-writing Workshop, Invited)

- Carrasco, L.* , A. Cook*, and J. Karubian. Abundance and diversity of birds in relation to habitat quality in the Ecuadorian Chocó. *North American Ornithological Society*, Veracruz, Mexico
- Cook, A.* , L. Carrasco*, and J. Karubian. Conservation and basic ecology of the Banded Ground-cuckoo in the Ecuadorian Chocó. *North American Ornithological Society*, Veracruz, Mexico
- Varian, C.W.* , M.S. Webster, and J. Karubian. Effects of social cues in offspring sex ratios in the Red-backed Fairy-wren. *North American Ornithological Society*, Veracruz, Mexico
- Karubian, J., C.W. Varians*, W.R. Lindsay*, and M.S. Webster. Shifts in social environment trigger rapid phenotypic change in male Red-backed Fairy-wrens. *Animal Behavior Society*, Snowbird, Utah
- Varian, C.W.* , M.S. Webster, and J. Karubian. Male-biased sex ratio in the Red-backed Fairy-wren. *Animal Behavior Society*, Snowbird, Utah (Best student poster award)
- 2005 Varian, C.W., J. Karubian, and M.S. Webster. Unusual plumage traits and extra-pair paternity in the Red-backed Fairy-wren. *American Ornithological Society*, Santa Barbara, California
- 2004 Karubian, J. and T.B. Smith. Conservation of the Long-wattled Umbrellabird in the Ecuadorian Chocó. *Society for Conservation Biology*, New York, New York
- Karubian, J. Ecology and conservation of the Ecuadorian Chocó *Fulbright Commission Seminar Series*, Quito, Ecuador (Invited)
- 2003 Karubian, J. 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. Seed dispersal and basic ecology of the Long-wattled Umbrellabird. *Universidad San Francisco de Quito*, Quito, Ecuador (Invited)
- 2001 Karubian, J. Mating system and social biology of the Red-backed Fairy-wren. *Universidad Catolica*, Quito, Ecuador (Invited)
- Karubian, J. Adaptive significance of plumage variation in the Red-backed Fairy-wren. *PhD Thesis Defense University of Chicago*, Chicago, Illinois

- Karubian, J. Social biology and phenotypic variation in the Red-backed Fairy-wren. *Departmental Natural History Seminar, University of Chicago, Chicago, Illinois*
- 2000 Karubian, J. 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. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *San Francisco State University, San Francisco, California* (Invited)
- Karubian, J. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *Oberlin College, Oberlin, Ohio* (Invited)
- 1999 Karubian, J. Costs and benefits of male plumage variation in the Red-backed Fairy-wren. *Avian Studies Group, Berkeley, California* (Invited)
- Karubian, J. Costs and benefits of male plumage variation in the Red-backed Fairy-wren *Commonwealth Scientific Investigation Research Organization (CSIRO), Queensland, Australia* (Invited)
- 1998 Karubian, J. Delayed plumage maturation in the Red-backed Fairy-wren: testing the hypotheses. *James Cook University, Townsville, Australia* (Invited)

Teaching Experience

- 2007 Introduction to Ecology & Behavior (EEB 100), University of California, Los Angeles

Teaching Assistant & Guest Lecture Experience

- 2008 Conservation Biology, UCLA, Guest Lecture
- 2008 Global Environment, UCLA, Guest Lecture
- 2006 Ornithology, UCLA. Guest Lecture.
- 2001 General Biology. The University of Chicago. Teaching Assistant.
- 2000 Evolution. The University of Chicago. Teaching Assistant
Ecology. The University of Chicago. Teaching Assistant
- 1999 Ecology. The University of Chicago. Teaching Assistant.
Field Ecology. The University of Chicago. Teaching Assistant
- 1998 Evolution. The University of Chicago. Teaching Assistant.
Ecology. The University of Chicago. Teaching Assistant.
- 1997 Ecology. The University of Chicago. Teaching Assistant.
- 1996 Animal Behavior. The University of Chicago. Teaching Assistant.
- 1993 Sociobiology. The University of California at San Diego. Teaching Assistant.

Professional Societies

American Ornithologists Union (member)
 American Society of Naturalists (member)
 Animal Behavior Society (member)
 Neotropical Ornithological Society (member)
 Society for Conservation Biology (member)
 Society for the Study of Evolution (member)

Reviewer (No. Reviews)

Auk (2)
 Behavioral Ecology (3)
 Behavioral Ecology and Sociobiology (2)
 Condor (1)
 Cotinga (1)
 Emu (1)
 Evolution (1)
 Journal of Field Ornithology (2)
 Wilson Journal of Ornithology (1)

Training and Capacitation Experience

2001- present	<p>Research in Ecuador</p> <ul style="list-style-type: none"> • Design, funding, and direct oversight on 12 Honors theses by Ecuadorian University students • Design and oversight of 16 undergraduate Honors theses by North American or European university students • Co-authorship for 10 of these students on published papers • Training for 16 other field assistants on this project to date • Full-time training and employment for four local residents
1997-present	<p>Research in Australia.</p> <ul style="list-style-type: none"> • Train and manage > 40 field assistants in a remote field camp; 11 of which went on to study in Ph.D. or Master's programs. • Co-authorship on a published paper for one undergraduate student • Train two current Ph.D. students on project, including assistance in writing a successful DDIG proposal and co-authorship on Best Student Poster, Best Student Presentation at meetings.

Professional References

Dr. Stephen Pruett-Jones (Ph.D. advisor)
Department of Ecology and Evolution
University of Chicago
1101 E. 57th St.
Chicago, IL 60637 USA
Phone: 773 702 3115
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Dr. Thomas B. Smith (Postdoctoral sponsor)
UCLA Institute of the Environment
La Kretz Hall, Suite 300
Box 951496
Los Angeles, CA 90095-1496
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Email: tbsmith@ucla.edu

Dr. Michael S. Webster (collaborator)
School of Biological Sciences
Washington State University
PO Box 644236
Pullman, WA 99164-4236
Phone: 509 335 7180
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John P. Swaddle (collaborator)
Robert and Sara Boyd Associate Professor of Biology
Biology Department
College of William & Mary
PO Box 8795
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Tel: 757 221 2231
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