

Curriculum vitae

THOMAS B. SMITH

ADDRESS

Center for Tropical Research
Institute of the Environment and Sustainability
University of California, Los Angeles
619 Charles E. Young Drive East
La Kretz Hall, Suite 300
Box 951496
Los Angeles, CA 90095-1496 USA
(310) 206-4712 phone
(310) 825-5446 fax
tbsmith@ucla.edu
<https://www.ioes.ucla.edu/ctr/>

and

Department of Ecology and Evolutionary Biology
University of California, Los Angeles
610 Charles E. Young Drive East
Terasaki Life Sciences Building, Room 4155
Box 957239
Los Angeles, CA 90095-7239 USA
<http://www.eeb.ucla.edu/>

EDUCATION

- Postdoctoral Fellow Integrative Biology and Museum of Vertebrate Zoology, University of California, Berkeley, 1988-1992 (w/ M. Slatkin).
- Ph.D. Zoology, University of California, Berkeley, 1988 (advisor F. Pitelka).
Title: Evolutionary ecology of African seed-crackers (Estrildidae: Pyrenestes).
- M.S. Wildlife Ecology, University of Wisconsin-Madison, 1981 (advisor S. Temple).
- B.S. Natural Sciences, University of Wisconsin-Madison, 1978 (advisor J. Hickey).

Professional Positions

- July 2020- Distinguished Professor, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- July 2020- Distinguished Professor, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2015- Founding Co-Executive Director, Congo Basin Institute (UCLA Foreign Affiliate, Yaoundé, Cameroon).
- 2012- President, Conservation Action Research Network.
- 2010- President, Center for Tropical Research – Cameroon.
- 2010-2016 Founding Director, UCLA International Research and Training Center (Yaoundé, Cameroon).
- 2007-2009 Acting Director, Institute of the Environment, University of California, Los Angeles.
- 2004- Adjunct Professor of Biology, Department of Biology, San Francisco State University.
- 2002-2020 Professor, Department of Ecology and Evolutionary Biology (formerly Organismic Biology, Ecology, and Evolution), University of California, Los Angeles.
- 2002-2020 Professor, Institute of the Environment and Sustainability (formerly Institute of the Environment), University of California, Los Angeles.
- Jan 2002- Founding Director, Center for Tropical Research, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2002-2004 Associate Director, Institute of the Environment, University of California, Los Angeles.
- 1999-2001 Professor of Biology, Department of Biology, San Francisco State University.
- 1998-2001 Founding Director, Center for Tropical Research, San Francisco State University.
- 1997 Visiting Professor of Zoology, University of Queensland, Brisbane, Australia (September-November).
- 1996-2001 Faculty member, Center for Population Biology, University of California, Davis.

- 1995-1999 Associate Professor, Department of Biology, San Francisco State University (tenured May 1997).
- 1993 Senior Visiting Fellow, Conservation Genetics, Institute of Zoology, Zoological Society of London.
- 1992-1995 Assistant Professor, Department of Biology, San Francisco State University.
- 1989-1990 Senior Fulbright Research Scholar.
- 1988-1992 Postdoctoral Fellow, Integrative Biology and Museum of Vertebrate Zoology, University of California, Berkeley.
- 1978-1981 Research Assistant, Department of Wildlife Ecology, University of Wisconsin-Madison.

Boards and Organizations

- 2015- Chair and Co-Scientific Advisor, Avian Solar Working Group.
- 2012- President, Conservation Action Research Network.
- 2018- Member, National Geographic Society Reviewers Circle.
- 2009-2017 Member, National Geographic Society Committee for Research and Exploration.
- 2009- Member, National Geographic Society Buffet Award Committee for Leadership in Conservation.
- 2007-2009 Member, Council of Environmental Deans and Directors.
- 2004- Elected Fellow, American Ornithologists' Union.
- 2003-2004 Member, Evolutionary Biology Advisory Committee of the Department of Ecology, Evolution and Environmental Biology, Columbia University.
- 2002-2010 Member, Scientific Advisory Board, Point Reyes Bird Observatory, Stinson Beach, California.
- 2001-2005 Member, Board of Directors, Foundation for Environment and Development in Cameroon (FEDEC).
- 1998-2002 Executive Committee, Point Reyes Bird Observatory, Stinson Beach, California.
- 1997-1998 Senior Fellow, Zoological Society of London.

- 1996-2002 Member, Board of Directors, Point Reyes Bird Observatory, Stinson Beach, California.
- 1994- Elected Fellow, California Academy of Sciences, San Francisco.
- 1993-2004 Elected Member, American Ornithologists' Union.
- 1993-2000 Member U.S. Fish and Wildlife (USFWS) Hawaiian Island Forest Bird Recovery Team.
- 1992-1995 Member U.S. Fish and Wildlife (USFWS) West Coast Clapper Rail Recovery Team.
- 1992-1993 President, Northern California Chapter of the Society for Conservation Biology.
- 1988-2010 President, Ecology Research Associates.

University Committees (University wide, Institute of the Environment & Sustainability, Department of Ecology and Evolutionary Biology, and UCLA Campus)

- 2019- Member, Environmental Health Sciences Faculty Search Committee, University of California, Los Angeles.
- 2016- Chair, Joint Steering Committee, Congo Basin Institute (UCLA Foreign Affiliate – Yaoundé, Cameroon).
- 2016- Chair, Partnership Committee, Congo Basin Institute (UCLA Foreign Affiliate – Yaoundé, Cameroon).
- 2016- Chair, UCLA Cabinet, Congo Basin Institute (UCLA Foreign Affiliate – Yaoundé, Cameroon).
- 2016-2018 Member, Graduate Research Awards, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2014-2016 Member, Graduate Admissions and Support Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2013-2014 Member, Strategic Task Force on Environment and Sustainability, Office of the Executive Vice Chancellor and Provost, University of California, Los Angeles.
- 2013- Member, Faculty Advisory Committee for the African Studies Center, International Institute, University of California, Los Angeles.

- 2013 Chair, National Geographic Society Young Explorers Grant Event. Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2013 Chair, Personnel Committee, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2013- Member, Personnel Committee, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2013 Member, Planning and Budget Committee, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2011-2012 Member, Search/Advisory Committee for Vice Provost for International Affairs, University of California, Los Angeles.
- 2011 Chair, Faculty Joint Search Committee (for Conservation Biologist and Faculty Director, UCLA La Kretz Center for California Conservation Science), Institute of the Environment and Sustainability and Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2010-2017 Member, Executive Committee, Global Bio Lab, University of California, Los Angeles.
- 2010-2012 Member, Development and Corporate Partnerships Committee, Institute of the Environment and Sustainability, University of California, Los Angeles.
- 2010-2011 Member, Personnel Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2010-2011 Member, Institute of the Environment and Sustainability Search Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2009 Review Team Chair, Review of the Center for Conservation Biology at the University of California, Riverside.
- 2008-2012 Board of Advisors, The Leaders in Sustainability Interdisciplinary Certificate Program, University of California, Los Angeles.
- 2008-2015 Member, Development Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2008-2010 Member, Advisory Board, Leaders in Sustainability Graduate Certificate Program, University of California, Los Angeles.

- 2008-2010 Member, Campus Sustainability Committee, University of California, Los Angeles.
- 2008-2010 Co-Founding Director, Center for Climate Change Solutions, Institute of the Environment, University of California, Los Angeles.
- 2008-2009 Member, Ad Hoc NSF-Integrative Graduate Education and Research Traineeship (IGERT) Brainstorming Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2008-2009 Member, Personnel Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2007-2011 Member, Personnel Committee, Institute of the Environment, University of California, Los Angeles.
- 2007-2009 Chair, Budget and Planning Committee, Institute of the Environment, University of California, Los Angeles.
- 2007-2009 Director, Search Committee, Institute of the Environment, University of California, Los Angeles.
- 2007-2009 Member, Institute of the Environment/Geoscience Search Committee, Institute of the Environment, University of California, Los Angeles.
- 2007-2009 Member, Space Committee, Institute of the Environment, University of California, Los Angeles.
- 2007-2008 Co-chair, Campus Sustainability Committee, University of California, Los Angeles.
- 2007- Member, Faculty Advisory Committee, International Institute, University of California, Los Angeles.
- 2006- Faculty Member, University of California – Cuba Academic Initiative.
- 2006-2009 Chair, Graduate Assistance in Areas of National Need (GAANN) Steering Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2006-2007 Member, Plant Ecology Search Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2005-2007 Member, Life Sciences Replacement Building Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.

- 2005-2006 Chair, Graduate Curriculum *Ad Hoc* Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2005-2006 Member, Field Biology Quarter (FBQ) Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2004- Member, Faculty Advisory Committee, James S. Coleman African Studies Center.
- 2004-2006 Participating Faculty, University of California Intercampus Research Program in Experimental Evolution (IRPEE).
- 2004-2005 Member, Seminar Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2003-2008 Member, International Institute Faculty Advisory Committee for the Latin American Center, University of California, Los Angeles.
- 2003-2004 Member, Committee on Latin American Studies, University of California, Los Angeles.
- 2003-2004 Member, Ecologist Search Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2002-2014 Representative, from University of California, Los Angeles, to the University of California Cooperative Ecosystem Study Unit (CESU).
- 2002-2012 Member, UCLA Stunt Ranch Santa Monica Mountains Reserve Faculty Advisory Committee, University of California, Los Angeles.
- 2002-2008 Member, Executive Committee, Institute of the Environment, University of California, Los Angeles.
- 2002-2007 Member at Large, Advisory Committee, Universitywide Natural Reserve System, University of California.
- 2002-2005 Member, Dickey Collection/Lida Scott Brown (LSB) Fund Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2002-2004 Member, Environmental Curriculum Committee, Institute of the Environment, University of California, Los Angeles.
- 2002-2004 Member, Development Committee, Institute of the Environment, University of California, Los Angeles.

- 2002-2004 Member, Personnel Committee, Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
- 2002-2003 Member, Promotions Committee, Institute of the Environment, University of California, Los Angeles.

FELLOWSHIPS, HONORS AND AWARDS

- 2020 American Ornithological Society Elliott Coues Award
- 2014 Environmentalist of the Year Award, Awarded to the UCLA Sustainability Committee by Faith2Green and Los Angeles City Councilman, Paul Koretz
- 2013 *Biotropica* Publication Award for Excellence in Tropical Biology and Conservation
- 2004 Elected Fellow, American Ornithologists' Union
- 2002 Point Reyes Bird Observatory Board of Directors Special Service Award
- 1997 Founding Member of Gamma Psi, Phi Beta Delta
- 1994 Elected Fellow, California Academy of Sciences, San Francisco
- 1994 SFSU Presidential Award
- 1993-2004 Elected Member, American Ornithologists' Union
- 1989-1990 Senior Fulbright Research Scholar
- 1988 Francis S. Roberts Award
- 1983 American Ornithologists' Union Alexander Wetmore Award
- 1979 American Ornithologists' Union Jocelyn Van Tyne Award
- 1978 Phi Kappa Phi
- 1978 Gamma Kappa Sigma
- 1978 B.S. with honors

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

American Association for the Advancement of Science
American Ornithological Society
American Society of Naturalists
Association for Tropical Biology
BirdLife International
British Ornithologists' Union
Ecological Society of America
International Association for Ecology and Health
Sigma Xi
Society for Conservation Biology
Society for the Study of Evolution
Southern California Academy of Sciences
Wilson Ornithological Society

EDITORIAL BOARDS

Editorial Board, *Evolutionary Applications*, 2011-
Associate Editor, *Evolutionary Applications*, 2006-
Associate Editor, *Evolution*, 2000-2004
Editorial Board, *Animal Conservation*, 1999-2001

REVIEWER

Animal Conservation
Auk
Biotropical
Bird Conservation International
Condor
Conservation Biology
Ecology
Emerging Infectious Diseases
Evolution
Genetica
Ibis
Journal of Tropical Ecology
Molecular Ecology
Nature
Oecologia
Oikos
Ostrich
Proceedings of the National Academy of Sciences, U.S.A.
Proceedings of the Royal Society of London
Public Library of Science (PLOS) Biology
Science
Trends in Ecology and Evolution

TEACHING EXPERIENCE

University of California, Los Angeles
Integrative Biology-Cellular, Organismic, and Population, EEB 296
Selected Topics in Ecology and Evolutionary Biology, EEB 297
Developmental Plasticity and Evolution
Ornithology, EEB 114, 114A
Evolutionary Biology, EEB 200A, Invited Lecturer – “Mechanisms of Speciation”
Graduate Seminar in Speciation, EEB 274
Field Tropical Ecology, EEB C151B
Student Research Program, EEB 99
Introduction to Environmental Science, ENV M10

Conservation of Biodiversity, ENV 121
Environmental Science Colloquium, ENV 170
Journal Club Seminar: Readings in Conservation and Biocomplexity, ENV 193

San Francisco State University

Conservation Genetics/Evolution, Bio 862
Ornithology, Bio 478
Our Endangered Planet, Bio 318
Speciation, Bio 862-01A and Biol 862-01B

University of California, Berkeley (Teaching Assistant)

Animal Diversity
Animal Biology

University of Wisconsin-Madison (Teaching Assistant)

Avian Population Dynamics
Avian Ecology
Tropical Ecology

POSTDOCTORAL FELLOWS

Dr. Rachael Bay (2015-2018) – Genomic approaches to studying migratory connectivity in Yellow warblers. Funding Source: NSF.

Dr. Elena Berg (2004-2006) – Genetic identification of watershed-dependent bird species. Funding source: CALFED.

Dr. Ruksan Bose (2018-present) – CBI School for Indigenous and Local Knowledge. Funding Source: Arcus Foundation.

Dr. Camille Bonneaud (2005-2006) – Effects of deforestation on the prevalence of blood-borne pathogens in African rainforest birds. Funding source: NSF.

Dr. Christen Bossu (2017-present) – Implementation of bioinformatic pipelines for the analysis of genome-wide sequencing data to identify patterns of migratory connectivity and explore the impact of climate change on several species of North American migratory birds. Funding source: California Energy Commission.

Dr. Wolfgang Buermann (April 2005-2007) – Effects of deforestation on the prevalence of blood-borne pathogens in African rainforest birds. Funding source: NSF.

Dr. Ryan Calsbeek (2002-2006) – Population ecology, evolution and conservation of vertebrates. Funding source: Center for Tropical Research (CTR).

Dr. Zachary Cheviron (2008-2009) – Molecular genetic basis of adaptive traits in natural populations of birds. Funding source: Center for Tropical Research (CTR).

Dr. Sonya Clegg (1999-2002) – Population structure of Neotropical migrants. Funding source: EPA.

Dr. Vincent Deblauwe (2017-present) – Sustainable Ebony Project. Funding Source: Taylor Guitars.

Dr. Thomas Dietsch (May 2005-2008) – Cacao growth and biodiversity conservation in Cameroon and Evaluating Disease Transmission Pathways; Host Reservoirs for H5N1 Avian Influenza in Domestic and Wild Bird Communities of Vietnam. Funding sources: UCLA International Institute, Global Impact Research Grant and Wildlife Conservation Society.

Dr. Trevon Fuller (2009-2014) – Effectiveness of remote-sensed data for mapping the risk of low pathogenic avian influenza in the continental U.S. Funding source: NIH.

Dr. Derek Girman (1996-1998) – Population structure of Neotropical migrant birds and their conservation (US, Mexico and S. America). Funding source: NIH.

Dr. Catherine Graham (1999-2000) – Integrating remote sensing and genetic data to understand evolutionary processes of rainforests. Funding source: Central African Regional Program for the Environment (CARPE), USAID.

Dr. Cristian Gruppi (2018-present) – Conservation Genetics. Funding Source: Department of State Bureau of International Narcotics and Law Enforcement Affairs / Bird Genoscape Project.

Dr. Ryan Harrigan (2007-2013) – The role of avian host dynamics and anthropogenic stressors on the transmission of West Nile virus and the implications for human health and biodiversity. Funding source: EPA.

Dr. Karen Holder (1998-2001) – Phylogeography and speciation of West African birds. Funding source: NSF/NSERC postdoctoral fellowship.

Dr. Darren Irwin (2003-2004) – Evolutionary ecology of migrant birds. Funding sources: EPA, CALFED.

Dr. Salit Kark (1999-2000) – Fluctuating asymmetry and divergence across ecological gradients. Funding source: Rothschild Fellowship (Israel).

Dr. Jordan Karubian (2001-2004) – Mechanisms of reproductive divergence and speciation in South American birds. Funding source: NSF, EPA.

Dr. Irby Lovette (2000-2001) – Phylogeography of West African and South American birds. Funding source: NSF.

Dr. Eduardo Mendoza Ramirez (2009-2010) – Modeling the impact of land cover change on biodiversity in the tropical forests of Mexico. Funding source: National Council of Science and Technology in Mexico (CONACYT).

Dr. Borja Milá (November 2005-2006) – Speciation mechanisms in tropical birds. Funding source: NASA.

Dr. Kevin Njabo (2007-2011) – Effects of deforestation on the prevalence of blood-borne pathogens in African rainforest birds. Funding source: NSF.

Dr. Cassia Prates-Clark (2005-2006) – Quantifying patterns of biodiversity in a changing climate; integrating biological point and process data with remotely sensed environmental variables. Funding source: NASA.

Dr. Ravinder Sehgal (1999-2004) – Using the major histocompatibility complex (MHC) to study selection and evolution at the population level. Funding source: NIH/CTR.

Dr. Hans Slabbekoorn (1998-2001) – Mechanisms of reproductive divergence and speciation in African birds. Funding source: Netherlands/NSF.

Dr. Hendrik Thomassen (2007-2011) – Quantifying patterns of biodiversity in a changing climate; integrating biological point and process data with remotely sensed environmental variables. Funding source: NASA.

Dr. Ying Zhen (2014-2017) – Analysis of genomic data in non-model systems in Africa. Funding source: NSF-PIRE.

GRADUATE STUDENTS

University of California, Los Angeles (current Ph.D. students): Kelly Barr, Nick Russo, Whitney Tsai Nakashima.

San Francisco State University (students who have completed M.S. degree): Joy Albertson, Mark Collins, Caroline Dingle, Aaron French, Chris Giorni, Kimberly Holbrook, Mari Kimura, Borja Milá, Kim O'Keefe, John Poulsen, Kristen Ruegg, Adriana Smyth, Donald Stauffer, Ellen VanGelder, Peg Wade, Benjamin Wang, Ken Whitney.

University of California, Los Angeles (students who have completed M.S. degree): Madeline Tiee (2015), Jessica Arriens (2018).

Advisor or Co-advisor for the following students who have completed their Ph.D.: Rachel Johnston, University of California, Los Angeles, 2016 (Co-advisor)

Emily Curd, University of California, Los Angeles, 2016 (Advisor)
Hilton Oyamaguchi, University of California, Los Angeles, 2014 (Advisor)
Raul Sedano-Cruz, University of California, Los Angeles, 2013 (Advisor)
Allison Alvarado, University of California, Los Angeles, 2011 (Advisor)
Jaime Chaves, University of California, Los Angeles, 2010 (Advisor)
Adam Freedman, University of California, Los Angeles, 2009 (Advisor)
Benjamin Wang, University of California, Los Angeles, 2008 (Advisor)
Erin Marnocha, University of California, Los Angeles, 2008 (Advisor)
Amy Rogers, University of California, Los Angeles, 2008 (Advisor)
John McCormack, University of California, Los Angeles, 2007 (Advisor)
Borja Milá, University of California, Los Angeles, 2005 (Co-advisor)
Ken Whitney, University of California, Davis, 2003 (Co-advisor)

INVITED TALKS AND KEYNOTE ADDRESSES (Since 1991)

- 2019 W. M. Keck Center for Behavioral Biology Lecture. “Importance of Preserving Environmental Gradients in a Changing World.” North Carolina State University. Raleigh, North Carolina.
North Carolina Museum of Natural Sciences. “Challenges to Conserving the Congo Basin Rainforest.” Raleigh, North Carolina.
- 2018 Congo Basin Forest Partnership Meeting. GEF7. “Conservation Prioritization in the Congo Basin: Planning for 2080.” Brussels, Belgium.
NSF Policy Workshop. “Challenges to Conserving the Congo Basin Rainforest: Climate Change and the Second Scramble for Africa.” Yaoundé, Cameroon.
- 2017 University of California at Davis. Department of Environmental Sciences and Policy Ecology Seminar. “Importance of Preserving Environmental Gradients in a Changing World.” Davis, California.
- 2017 University of Florida at Gainesville. Tropical Conservation and Development Program/Center for African Studies. “Importance of Preserving Environmental Gradients in a Changing World.” Gainesville, Florida.
- 2016 University of California Los Angeles. UCLA College Luskin Endowment Inaugural Symposium. “Building the Congo Basin Institute.” Los Angeles, California.
AAAS Annual Meeting – Global Science Engagement. Session Moderator and Co-Organizer. “Empowering Environmental Research, Education, and Outreach in Congo Basin Forests.”
University of California at Davis. Africa-California Research Cluster Program. “Building the Congo Basin Institute.” Davis, California.
- 2015 Western Alliance for Nature. Malibu, California.
15th Annual Meeting of the Partners of Congo Basin Forest Partnership. Yaoundé, Cameroon.
University of Wisconsin. African Studies Program. Madison, Wisconsin.
University of Wisconsin. Biology Colloquium. Madison, Wisconsin.
- 2014 California Academy of Sciences. Institute for Biodiversity Science and Sustainability. San Francisco, California.

- UCLA Institute of the Environment and Sustainability Oppenheim Lecture Series. Los Angeles, California.
- 2013 Jet Propulsion Laboratory. Earth and Space Science Colloquium. Pasadena, California.
National Geographic Society Young Explorers Grants Workshop. Los Angeles, California.
Natural History Museum of Los Angeles. Los Angeles, California.
Drexel University. Department of Biodiversity, Earth, and Environmental Science Seminar. Philadelphia, Pennsylvania.
- 2012 Kushlan Tropical Science Institute. Tropical Biology Symposium. Coral Gables, Florida.
Harvard University Center for the Environment, Biodiversity, Ecology, and Global Change lecture series, Cambridge, Massachusetts.
Smithsonian Conservation Biology Institute Migratory Bird Center Seminar, National Zoological Park, Washington, D.C.
- 2011 36th Annual Meeting, Société Québécoise pour L'étude Biologique du Comportement (Quebec Society for the Biological Study of Behavior), Université de Sherbrooke, Sherbrooke, Canada.
Joint International Meeting of the Association for Tropical Biology and Conservation and the Society for Conservation Biology (Africa section), Arusha, Tanzania.
National Institutes of Health Workshop on Social and Ecological Methods for Infectious Disease Management, Buenos Aires, Argentina.
Department of Biology, University of Missouri-St. Louis, St. Louis, Missouri.
Association of Field Ornithologists, Cooper Ornithological Society, Wilson Ornithological Society 2011 Joint Meeting, Kearney, Nebraska.
- 2010 European Science Foundation Frontiers of Speciation Research Workshop, Evolution of Divergence and Speciation Models of Specific Systems, Hólar, Iceland.
Defense Sciences Office of the Defense Advanced Research Projects Agency Prophecy Teaming Day Workshop (West Coast Workshop), Seattle, Washington.
Defense Threat Reduction Agency, U.S. Department of Defense, Alexandria, Virginia.
National Science Foundation Migration Interest Group: Research Applied Toward Education (MIGRATE) Workshop, Konstanz, Germany.
California NanoSystems Institute, University of California, Los Angeles.
- 2010 Centers of Excellence for Influenza Research and Surveillance, St. Jude Children's Research Hospital, Memphis, Tennessee.
University of Queensland. Applied Evolution Summit: Interdisciplinary Solutions to Evolutionary Challenges in Food, Health and the Environment. Heron Island, Queensland, Australia.
- 2009 National Geographic Society, Committee for Research, Conservation and Exploration Mini-symposium, Washington, D.C.
Darwin year 09 Zurich Evolution Lectures, University of Zurich, Switzerland.
- 2008 Women and Philanthropy, University of California, Los Angeles.
UCLA Parents' Weekend 2008, University of California, Los Angeles.
Department of Ecology and Evolutionary Biology, University of California, Los Angeles.
Institute of the Environment, University of California, Los Angeles.
Museum of Vertebrate Zoology, University of California, Berkeley.
International Balzan Prize Symposium: Population Biology and Evolution, Princeton University, Princeton, New Jersey.

- American Ornithologists' Union, Cooper Ornithological Society, and Society of Canadian Ornithologists 2008 Joint Meeting, Portland, Oregon.
National Aeronautics and Space Administration, 2008 NASA Carbon Cycle and Ecosystems Joint Science Workshop, Adelphi, Maryland.
Laboratory of Ornithology, Cornell University, 2008 MIGRATE Workshop, New Technologies for Studying Bird Migration, Ithaca, New York.
Natural Reserve System, University of California, 2008 Mathias Symposium, Bodega Marine Laboratory Reserve, Bodega Bay, California.
- 2007 Genetics Graduate Group, University of California, Davis.
Institute of the Environment, University of California, Los Angeles. International Summit on Evolutionary Change in Human-altered Environments (co-organized by Thomas Smith and Louis Bernatchez).
- 2006 National Aeronautics and Space Administration, Joint Workshop on NASA Biodiversity, Terrestrial Ecology, and Related Applied Sciences, Adelphi, Maryland.
National Institutes of Health, National Institute of General Medical Sciences, Models of Infectious Disease Agent Study (MIDAS) Meetings, Reston, Virginia.
Division of Biological Sciences, University of Montana, Missoula, Montana.
- 2005 Museum of Vertebrate Zoology, University of California, Berkeley.
2nd International Symposium of Conservation Genetics, Monterey, California.
- 2004 Institute of the Environment, University of California, Los Angeles.
Biology Department, Université Laval, Quebec, Canada.
Division of Biology and Biomedical Sciences, Washington University, St. Louis.
U.S. Geological Survey, U.S. Fish and Wildlife Service, and PPL Montana, Migration Stopover Ecology of Western Avian Populations: Southwestern Migration Workshop, Tucson, Arizona.
- 2003 Department of Geography, University of California, Los Angeles.
Department of Organismic Biology, Ecology, and Evolution, University of California, Los Angeles, two lectures in Evolutionary Biology.
Department of Ecology and Evolutionary Biology, University of California, Irvine.
Department of Zoology, University of Oklahoma, Norman, Oklahoma.
- 2003 Zoological Society of London, Symposium on Phylogeny and Conservation, London, England.
- 2002 University of California, Berkeley, California.
University of California, Riverside, California.
Smithsonian-sponsored symposium, West Virginia, Birds of Two Worlds.
Department of Organismic Biology, Ecology, and Evolution, University of California, Los Angeles.
- 2001 Conservation International, Washington, D.C.
- 2000 Department of Organismic Biology, Ecology, and Evolution, University of California, Los Angeles, California.
Department of Fish, Wildlife and Conservation, University of California, Davis, California.
- 1999 Department of Biology, University of California, Santa Cruz, California.
Department of Integrative Biology, University of California, Berkeley, California.
Center for Population Biology, University of California, Davis, California.

- 1998 College of Science, San Francisco State University, San Francisco, California.
Smithsonian Institute, Washington, D.C.
Department of Biology, San Francisco State University.
Cooperative Research Centre for Tropical Rainforest Ecology and Management, James Cook University of North Queensland, Cairns, Australia, Rainforest: Past and Future Conference.
- 1997 Department of Zoology, University of Queensland, Brisbane, Australia.
Department of Zoology, James Cooke University, Townsville, Australia.
Ecological Society of America, Albuquerque, New Mexico.
Department of Biology, San Francisco State University.
Department of Biology, University of California, San Diego, California.
- 1996 Center for Population Biology, University of California, Davis, California.
Department of Zoology, The University of Queensland, Brisbane, Australia.
Department of Biology, Hayward State University, Hayward, California.
- 1995 Department of Biology, Washington University, St. Louis, Missouri.
- 1994 American Association for the Advancement of Science, San Francisco, California,
Molecular Genetic Approaches in Conservation.
Avian Studies Group, Berkeley, California.
Audubon Society, San Francisco, California.
- 1993 Department of Biology, University of California, Los Angeles, California.
U.S. Agency for International Development (USAID), San Francisco, California.
Department of Biology, San Francisco State University, San Francisco, California.
Biosystematists Society, San Francisco, California.
Department of Biology, University of Leiden, The Netherlands.
Conservation Genetics, Institute of Zoology, Zoological Society of London.
Department of Biology, Sonoma State University, Sonoma, California.
Institute of Zoology, Zoological Society of London, Conservation Genetics.
- 1991 Avian Studies Group, Berkeley, California.
Department of Ecology and Evolution, University of Chicago, Illinois.
- 1991 Department of Ecology, Ethology and Evolution, University of Illinois at Urbana-Champaign.
Society for the Study of Evolution, Hilo, Hawaii, Symposium on Evolution in the Hawaiian Islands.

PUBLICATIONS

- 2021 Bay R, Karp D, Saracco J, Anderegg W, Frishkoff L, Wiedenfeld D, **Smith TB**, Ruegg K. Genetic variation reveals individual-level climate tracking across the annual cycle of a migratory bird. *Ecology Letters* (in press).
- 2021 **Smith TB**, Fuller TL, Zhen Y, Zaunbrecher V, Thomassen HA, Njabo K, Anthony NM, Gonder MK, Buermann W, Larison B, Ruegg K, Harrigan RJ. Genomic vulnerability and socio-economic threats under climate change in an African rainforest bird. *Evolutionary Applications* 2021;00:1-9.
<https://doi.org/10.1111/eva.13193>.

- 2021 Larison B, Kaelin CB, Harrigan R, Henegar C, Rubenstein DI, Kamath P, Aschenborn O, **Smith TB**, Barsh GS. Population structure, inbreeding and stripe pattern abnormalities in plains zebras. *Molecular Ecology* 30:379–390. <http://dx.doi.org/10.1111/mec.15728>.
- 2020 Barr K, Beichman AC, Kalhori P, Rajbhandary J, Bay RA, Ruegg K, **Smith TB**. Persistent Panmixia Despite Extreme Habitat Loss and Population Decline in the Threatened Tricolored Blackbird (*Agelaius tricolor*). *Evolutionary Applications*. <https://doi.org/10.1111/eva.13147>.
- 2020 Ruegg K, Brinkmeyer M, Bossu CM, Bay R, Anderson EC, Boal CW, Dawson RD, Eschenbauch A, McClure CJW, Miller KE, Morrow J, Morrow L, Oleyar MD, Ralph B, Schulwitz S, Swem T, Therrien J-F, **Smith TB**, Heath J. The American Kestrel (*Falco sparverius*) Genoscape: Implications for Monitoring, Management, and Subspecies Boundaries. *The Auk: Ornithological Advances* (in press).
- 2020 Morgan K, Mboumba JF, Ntie S, Mickala P, Miller CA, Zhen Y, Harrigan RJ, Underwood VL, Ruegg KC, Fokam EB, Tasse Taboue GC, Sesink Clee PR, Fuller T, **Smith TB**, Anthony NM. Precipitation and vegetation shape patterns of genomic and craniometric variation in the Central African rodent *Praomys misonnei*. *Proceedings of the Royal Society B*. 287:20200449 <https://doi.org/10.1098/rspb.2020.0449>.
- 2020 Ruegg KC, Harrigan RJ, Saracco JF, **Smith TB**, Taylor CM. A genoscape-network model for conservation prioritization in a migratory bird. *Conservation Biology*. <https://doi.org/10.1111/cobi.13536>.
- 2019 Kelly J, Park J, Harrigan RJ, Mossoko M, Okitolondo-Wemakoy E, Schoenberg FP, Hoff N, Mbala P, Wannier SR, Lee SD, Ahuka-Mundeke S, **Smith TB**, Selo B, Njoloko B, Rutherford, G, Rimion AW, Muyembe Tamfum JJ. Real-time predictions of the 2018-2019 Ebola virus disease outbreak in the Democratic Republic using Hawkes point process models. *Epidemics*. <https://doi.org/10.1016/j.epidem.2019.100354>.
- 2019 Sheta BS, Njabo KY, Harrigan R, Shafir S, **Smith TB**. Leveraging women’s knowledge, practices, and behavior to reduce the spread of avian influenza in Egypt. *Journal of Women’s Health and Development* 2:37-47. DOI: 10.26502/fjwhd.2644-2884006.
- 2019 Deblauwe V, Eloumou D, Forgione G, LeBreton M, Njabo K, Onguene E, Paul S, **Smith TB**, Tchoundjeu Z, Tchouga A, Zaunbrecher V. Developing an integrative program for restoration, use and community-based livelihoods. 2018. The Ebony Project Progress Report. DOI: 10.13140/RG.2.2.22205.51685

- 2019 Fuller TL, Narins TP, Nackoney J, Bonebrake TC, Sesink Clee P, Morgan K, Trochez A, Bocuma Mene D, Bongwele E, Njabo KY, Anthony NM, Gonder NK, Kahn M, Allen WR, **Smith TB**. Assessing the impact of China's timber industry on Congo Basin land use change. *AREA* 51:340-349. <https://doi.org/10.1111/area.12469>.
- 2019 Contina A, Bay RA, Underwood VL, **Smith TB**, Kelly JF, Bridge ES, Ruegg KC. Characterization of SNP markers for the painted bunting (*Passerina ciris*) and their relevance in population differentiation and genome evolution studies. *Conservation Genetic Resources* 11:5-10. <https://doi.org/10.1007/s12686-017-0950-7>.
- 2018 VonHoldt B, Kartzinel R, Huber C, Underwood VL, Zhen Y, Ruegg K, Lohmueller K, **Smith TB**. Growth factor gene IGF1 is associated with bill size in the black-bellied seedcracker *Pyrenestes ostrinus*. *Nature Communications* 9:4855. <https://doi.org/10.1038/s41467-018-07374-9>.
- 2018 Ruegg K, Bay R, Anderson E, Saracco J, Harrigan R, Whitfield M, Paxton E, **Smith TB**. Ecological genomics predicts climate vulnerability in an endangered southwestern songbird. *Ecology Letters* 21:1085-1096. <https://doi.org/10.1111/ele.12977>.
- 2018 Ttee MS, Harrigan RJ, Thomassen HA, **Smith TB**. Ghosts of infections past: Using archival samples to understand a century of monkeypox virus prevalence among *Funisciurus* host communities across space and time. *Royal Society Open Science*. 5: 171089. <http://dx.doi.org/10.1098/rsos.171089>.
- 2018 Bay RA, Harrigan RJ, Buermann W, Underwood VL, Gibbs HL, **Smith TB**, Ruegg KC. Response to Comment on "Genomic signals of selection predict climate-driven population declines in a migratory bird." *Science* 361 (6401), eaat7956. DOI: 10.1126/science.aat7956.
- 2018 Bay RA, Harrigan RJ, Underwood VL, Gibbs HL, **Smith TB**, Ruegg KC. Genomic signals of selection predict climate-driven population declines in a migratory bird. *Science* 359:83-86. DOI: 10.1126/science.aan4380.
- 2018 Curd E, Martiny JBH, Li H, **Smith TB**. Bacterial diversity is positively correlated with soil heterogeneity. *Ecosphere* 9(1):e02079. [10.1002/ecs2.2079](https://doi.org/10.1002/ecs2.2079).
- 2018 Fuller TL, Sesink Clee PR, Njabo KY, Trochez A, Morgan K, Bocuma Mene D, Anthony NM, Gonder MK, Allen WR, Hanna R, **Smith TB**. Climate warming causes declines in crop yields and lowers school attendance rates in Central Africa. *Science of the Total Environment* 610-611:503-510. <https://doi.org/10.1016/j.scitotenv.2017.08.041>.
- 2017 Judson SD, LeBreton ML, Fuller T, Hoffman RM, Njabo K, Brewer TF,

- Dibongue E, Diffo J, Feussom Kameni JM, Loul S, Nchinda GW, Njouom R, Nwobegahay J, Takuo JM, Torimiro JN, Wade A, **Smith TB**. Translating Predictions of Zoonotic Viruses for Policymakers. *EcoHealth* 15:52-62. <https://doi.org/10.1007/s10393-017-1304-3>.
- 2017 Fuller TL, Calvet G, Genaro Estevam C, Rafael Angelo J, Abiodun GJ, Halai UA, De Santis B, Carvalho Sequeira P, Machado Araujo E, Alves Sampaio S, Lima de Mendonça MC, Fabri A, Ribeiro MR, Harrigan R, **Smith TB**, Raja Gabaglia C, Brasil P, Bispo de Filippis AM, Nielsen-Saines, K. Behavioral, climatic, and environmental risk factors for Zika and Chikungunya virus infections in Rio de Janeiro, Brazil, 2015-2016. *PLOS One* 12:e0188002. <https://doi.org/10.1371/journal.pone.0188002>.
- 2017 Thomassen HA, Harrigan RJ, Semple Delaney K, Riley SPD, Serieys LEK, Pease K, Wayne RK, **Smith TB**. Determining the drivers of population structure in a highly urbanized landscape to inform conservation planning. *Conservation Biology* 32:148-158. doi:10.1111/cobi.12969.
- 2017 Zhen Y, Harrigan RJ, Ruegg KC, Anderson EC, Ng TC, Lao S, Lohmueller KE, **Smith TB**. Genomic divergence across ecological gradients in the Central African rainforest songbird (*Andropadus virens*). *Molecular Ecology* 26:4966-4977. <https://doi.org/10.1111/mec.14270>.
- 2017 Zavala-Paramo AS, Oyama K, Mendoza E, Zavala Paramo MG, Pollinger J, **Smith TB**. Genetic variability in captive individual of the endangered species *Tapirus bairdii* in Mexico. *Revista Mexicana de Biodiversidad* 88:480-484. <https://doi.org/10.1016/j.rmb.2017.03.002>.
- 2017 Ruegg KC, Anderson EC, Harrigan RJ, Paxton KL, Kelly JF, Moore F, **Smith TB**. Genetic assignment with isotopes and habitat suitability (GAIHA), a migratory bird case. *Methods in Ecology and Evolution* 8:1241-1252. DOI: 10.1111/2041-210X.12800.
- 2016 Johnston RA, Paxton KL, Moore FR, Wayne RK, **Smith TB**. Seasonal gene expression in a migratory bird. *Molecular Ecology* 25:5680-5691. DOI: 10.1111/mec.13879.
- 2016 Oyamaguchi HM, Oliveira E, **Smith TB**. Environmental drivers of body size variation in the lesser treefrog (*Dendropsophus minutus*) across the Amazon-Cerrado gradient. *Biological Journal of the Linnean Society* 120:363-370. DOI: 10.1111/bij.12879.
- 2016 Contina A, Harrigan RJ, Pollinger JP, Bridge ES, Kelly JF, **Smith TB**. Genome-wide identification and characterization of simple sequence repeats in the Painted Bunting (*Passerina ciris*) for population and forensic analysis. *Conservation Genetics Resources* 8:43-81.

- 2016 Locatelli S, Harrigan RJ, Sesink Clee PR, Mitchell MW, McKean KA, **Smith TB**, Gonder MK. Why are Nigeria-Cameroon chimpanzees (*Pan troglodytes ellioti*) free of SIVcpz infection? PLOS ONE 11(8): e0160788. <https://doi.org/10.1371/journal.pone.0160788>.
- 2016 Njabo KY, Zanontian L, Sheta BN, Samy A, Galal S, Schoenberg FP, **Smith TB**. Living with avian flu – persistence of the H5N1 highly pathogenic avian influenza virus in Egypt. Veterinary Microbiology 187:82-92. <https://doi.org/10.1016/j.vetmic.2016.03.009>.
- 2015 Larison B, Harrigan RJ, Rubenstein DI, **Smith TB**. Concordance on zebra stripes is not black and white: response to comment by Caro & Stankowich (2015). Royal Society Open Science 2:150359.
- 2015 George TL, Harrigan RJ, LaManna JA, DeSante DF, Saracco JF, **Smith TB**. Persistent impacts of West Nile virus on North American bird populations. PNAS 112;14290-14294. <https://doi.org/10.1073/pnas.1507747112>.
- 2015 Bonneaud C, Marnocha E, Herrel A, Vanhooydonck B, Irshick DJ, **Smith TB**. Developmental plasticity affects sexual size dimorphism in an anole lizard. Functional Ecology 30:235-243. DOI: 10.1111/1365-2435.12468.
- 2015 Ribiero RD, McCormack J, Alvarez H, Carrasco L, Grether G, Mena P, Sedano R, **Smith TB**, Karubian J. Loss of sexual dimorphism is associated with loss of lekking behavior in the green manakin (*Xenopipo holochora*). Journal of Avian Biology 46:307-314. <https://doi.org/10.1111/jav.00545>.
- 2015 Larison BL, Harrigan RJ, Thomassen H, Rubenstein DI, Chan-Golston A, Li E, **Smith TB**. How the zebra got its stripes: A problem with too many solutions. Royal Society Open Science 2:140452.
- 2015 Lauron EJ, Loiseau C, Bowie RCK, Spicer GS, **Smith TB**, Melo M, Sehgal RNM. Coevolutionary patterns and diversification of avian malaria parasites in African sunbirds (Family Nectariniidae). Parasitology 142:635-647. DOI:10.1017/S0031182014001681.
- 2014 Chapman CA, Deluycker A, Reyna-Hurtado RA, Serio-Silva JC, **Smith TB**, Strier KB, Goldberg TL. Safeguarding biodiversity: what is perceived as working according to the conservation community. Oryx. DOI:10.1017/S0030605314000738.
- 2014 Fuller TL, Ducatez MF, Njabo KY, Couacy-Hymann E, Chasar T, Aplogan GL, Lao S, Awoume F, Tehou A, Langeois Q, Krauss S, **Smith TB**. Avian influenza surveillance in Central and West Africa, 2010-2014. Epidemiology and Infection 143:2205-2212. DOI:10.1017/S0950268814003586.

- 2014 Anthony NM, Atteke C, Bruford MW, Dallmeier F, Freedman A, Hardy O, Ibrahim B, Jeffery KJ, Johnson M, Lahm SA, Lepengue N, Lowenstein JH, Maisels F, Mboumba J, Mickala P, Morgan K, Ntie S, **Smith TB**, Sullivan JP, Verheyen E, Gonder MK. Evolution and conservation of Central African biodiversity: priorities for future research and education in the Congo Basin and Gulf of Guinea. *Biotropica* 47:6-17. <https://doi.org/10.1111/btp.12188>.
- 2014 Ruegg KC, Anderson EC, Paxton KL, Apkenas V, Lao S, Siegal RB, DeSante DF, Moore F, **Smith TB**. Mapping migration in a songbird using high-resolution genetic markers. *Molecular Ecology* 23:5726-5739. DOI: 10.1111/mec.12977.
- 2014 Chasar A, Harrigan RJ, Holbrook KM, Dietsch TV, Fuller TL, Wikelski M, **Smith TB**. Spatial and temporal patterns of frugivorous hornbill movements in Central Africa and their implications for rainforest conservation. *Biotropica* 46:763-770. <https://doi.org/10.1111/btp.12160>.
- 2014 Carroll SP, Jorgensen PS, Kinnison MT, Bergstrom CT, Denison RF, Gluckman P, **Smith TB**, Strauss SY, Tabashnik BE. Applying evolutionary biology to address global challenges. *Science* 346:313-323. DOI: 10.1126/science.1245993.
- 2014 Alvarado AH, Fuller TL, **Smith TB**. Integrative tracking methods elucidate the evolutionary dynamics of a migratory divide. *Ecology and Evolution* 4:3456-3469. DOI: 10.1002/ece3.1205.
- 2014 Giorgi AP, Rovzar C, Davis KS, Fuller TL, Buermann W, Saatchi S, **Smith TB**, Silveira LF, Gillespie TW. Spatial conservation planning framework for assessing conservation opportunities in the Atlantic Forest of Brazil. *Applied Geography* 53:369-376. <https://doi.org/10.1016/j.apgeog.2014.06.013>.
- 2014 Ruegg K, Anderson E, Boone J, Pouls J, **Smith TB**. A role for migration-linked genes and genomic islands in divergence of a songbird. *Molecular Ecology* 23:4757-4769. DOI: 10.1111/mec.12842.
- 2014 **Smith TB**, Kinnison MT, Strauss SY, Fuller TL, Carroll SP. Prescriptive evolution to conserve and manage biodiversity. *Annual Review of Ecology, Evolution, and Systematics* 45:1-22. <https://doi.org/10.1146/annurev-ecolsys-120213-091747>.
- 2014 Fuller TL, Havers F, Xu C, Fang L, Cao W, Shu Y, Widdowson M, **Smith TB**. Identifying areas with a high risk of human infection with the avian influenza (H7N9) virus in East Asia. *Journal of Infection* 69:174-181. PMID: 24642206.
- 2014 Harrigan RJ, Sedano R, Chasar AC, Chaves J, Nguyen JT, Whitaker A, **Smith TB**. New host and lineage diversity of avian haemosporidia in the Northern Andes. *Evolutionary Applications* 7:799-811. DOI:10.1111/eva.12176.

- 2014 Lamperti AM, French AR, Dierenfeld ES, Fogiel MK, Whitney KD, Stauffer DJ, Holbrook KM, Hardesty BD, Clark CJ, Poulsen JR, Wang B, **Smith TB**, Parker VT. Diet selection is related to breeding status in two frugivorous hornbills of Central Africa. *Journal of Tropical Ecology* 30:273-290. <https://doi.org/10.1017/S0266467414000236>.
- 2014 Larison B, Njabo KY, Chasar A, Fuller T, Harrigan RJ, **Smith TB**. Spillover of pH1N1 to swine in Cameroon: an investigation of risk factors. *BMC Veterinary Research* 10:55-62. <https://doi.org/10.1186/1746-6148-10-55>.
- 2014 Sheta BM, Fuller TL, Larison B, Njabo KY, Ahmed AS, Chasar A, Aziz SA, Khidr AA, Elbokl MM, Habbak LZ, **Smith TB**. Putative human and avian risk factors for avian influenza virus infections in backyard poultry in Egypt. *Veterinary Microbiology* 168:208-213. <https://doi.org/10.1016/j.vetmic.2013.11.010>.
- 2014 Harrigan R, Thomassen H, Buermann W, **Smith TB**. A continental risk assessment of West Nile virus under climate change. *Global Change Biology* 20:2417-2425. DOI: 10.1111/gcb.12534.
- 2013 Fuller TL, Smith TB. Pet Sounds. *Chemical Biological Radiological Nuclear and Explosives (CBRNE) World*. Aug 2013:40-42.
- 2013 Hosseini PR, Fuller T, Harrigan R, Zhao D, Arriola CS, Gonzalez A, Miller MJ, Xiao X, **Smith TB**, Jones JH, Daszak P. Metapopulation dynamics enable persistence of influenza A, including A/H5N1, in poultry. *PLOS ONE* 8(12): e80091. DOI:10.1371/journal.pone.0080091.
- 2013 Duraes R, Carrasco L, **Smith TB**, Karubian J. Effects of forest disturbance and habitat loss on avian communities in a Neotropical biodiversity hotspot. *Biological Conservation* 166:203-211.
- 2013 **Smith TB**, Harrigan RJ. [Review]. Emerging Avian Disease. *Studies in Avian Biology*. The Quarterly Review of Biology 88:149.
- 2013 Rundel CW, Wunder MB, Alvarado AH, Ruegg KC, Harrigan R, Schuh A, Kelly JF, Siegal RB, DeSante DF, **Smith TB**, Novembre J. Novel statistical methods for integrating genetic and stable isotope data to infer individual-level migratory connectivity. *Molecular Ecology* 22:4163-4176.
- 2013 Thomassen HA, Fuller T, Asefi-Najafabady S, Shiplacoff JAG, Mulembakani PM, Blumberg S, Johnston SC, Kisalu NK, Kinkela TL, Fair JN, Wolfe ND, Shongo RL, LeBreton M, Meyer H, Wright LL, Muyembe J, Buermann W, Okitolonda E, Hensley LE, Lloyd-Smith JO, **Smith TB**, Rimoin AW. Pathogen-host associations and predicted range shifts of human monkeypox in response to

- climate change in Central Africa. PLOS ONE 8(7): e66071.
DOI:10.1371/journal.pone.0066071.
- 2013 **Smith TB**, Harrigan R, Kirschel A, Buermann W, Saatchi S, Blumstein D, de Kort S, Slabbekoorn H. Predicting birdsong from space. *Evolutionary Applications* 6:865-874. DOI: 10.1111/eva.12072.
- 2013 Fuller TL, Thomassen HA, Peralvo M, Buermann W, Mila B, Kieswetter CM, Jarrin-V P, Cameron Devitt SE, Mason E, Schweizer RM, Schlinegger J, Chan J, Wang O, Schneider CJ, Pollinger PJ, Saatchi S, Graham CH, Wayne RK, **Smith TB**. Intraspecific morphological and genetic variation of common species predicts ranges of threatened ones. *Proceedings of the Royal Society Biological Sciences* 280, 20130423.
- 2013 Fuller TL, Gilbert M, Martin V, Cappelle J, Hosseini P, Njabo KY, Aziz SA, Xiao X, Daszak P, **Smith TB**. Predicting hotspots for influenza virus reassortment. *Emerging Infectious Diseases* 19:581-588.
- 2013 Njabo KY, **Smith TB**, Yohannes E. Feeding habits of *culicine* mosquitos in the Cameroon lowland forests based on Stable Isotopes and blood meal analyses. *Journal of Parasitology and Vector Biology* 5:6-12.
- 2013 Mendoza E, Fuller T, Thomassen HA, Buermann W, Ramírez-Mejía D, **Smith TB**. A preliminary assessment of the effectiveness of the Mesoamerican Biological Corridor for protecting potential Baird's tapir (*Tapirus bairdii*) habitat in Southern Mexico. *Integrative Zoology* 8:34-46.
- 2012 Laurance WF, Useche DC, Rendeiro J, Kalka M, Bradshaw CJA...**Smith TB, et al.** Averting biodiversity collapse in tropical protected areas. *Nature* 489: 290-294.
- 2012 Karubian J, Durães R, Storey JL, **Smith TB**. Mating behavior drives seed dispersal by the Long-wattled Umbrellabird *Cephalopterus penduliger*. *Biotropica* 44(5): 689-698.
- 2012 Shafir SC, Fuller T, **Smith TB**, Rimoin AW. A national study of individuals who handle migratory birds for evidence of avian and swine influenza virus infections. *Journal of Clinical Virology* 54(4): 364-7.
- 2012 Milá B, Tavares ES, Saldaña AM, Karubian J, **Smith TB**, Baker AJ. A trans-Amazonian screening of mtDNA reveals deep intraspecific divergence in forest birds and suggests a vast underestimation of species diversity. PLOS ONE 7(7): e40541.
- 2012 Fuller T, Bensch S, Müller I, Novembre J, Pérez-Tris J, Ricklefs RE, **Smith TB**, Waldenström J. The ecology of emerging infectious diseases in migratory birds:

- an assessment of the role of climate change and priorities for future research. *EcoHealth* 9: 80-88.
- 2012 Chaves JA, Parker PG, **Smith TB**. Origin and population history of a recent colonizer, the yellow warbler in Galápagos and Cocos Islands. *Journal of Evolutionary Biology* 25: 509-521.
- 2012 Oliveras de Ita A, Oyama K, **Smith TB**, Wayne RK, Milá B. Genetic evidence for recent range fragmentation and severely restricted dispersal in the critically endangered Sierra Madre Sparrow, *Xenospiza baileyi*. *Conservation Genetics* 13: 283-291.
- 2012 Loiseau C, Harrigan RJ, Robert A, Bowie RCK, Thomassen HA, **Smith TB**, Sehgal RNM. Host and habitat specialization of avian malaria in Africa. *Molecular Ecology* 21: 431-441.
- 2011 Iezhova TA, Dodge M, Sehgal RNM, **Smith TB**, Valkiūnas G. New avian *Haemoproteus* species (Haemosporida: Haemoproteidae) from African birds, with a critique of the use of host taxonomic information in hemoproteid classification. *Journal of Parasitology* 97(4): 682-694.
- 2011 Njabo KY, Fuller TL, Chasar A, Pollinger JP, Cattoli G, Terregino G, Monne I, Reynes JM, Njouom R, **Smith TB**. Pandemic A/H1N1/2009 influenza virus in swine, Cameroon, 2010. *Veterinary Microbiology* 156: 189-192.
- 2011 Fuller T, Thomassen HA, Mulembakani PM, Johnston SC, Lloyd-Smith JO, Kisalu NK, Lutete TK, Blumberg S, Fair JN, Wolfe ND, Shongo RL, Formenty P, Meyer H, Wright L, Muyembe JJ, Buermann W, Saatchi SS, Okitolonda E, Hensley L, **Smith TB**, Rimoin AW. Using remote sensing to map the risk of human monkeypox virus in the Congo Basin. *EcoHealth* 8: 14-25.
- 2011 Kirschel ANG, Slabbekoorn H, Blumstein DT, Cohen RE, De Kort SR, Buermann WR, **Smith TB**. Testing alternative hypotheses for evolutionary diversification in an African songbird: Rainforest refugia versus ecological gradients. *Evolution* 65: 3162-3174.
- 2011 Chaves J, Weir J, **Smith TB**. Diversification in *Adelomyia* hummingbirds follows Andean uplift. *Molecular Ecology* 20: 4564-4576.
- 2011 Curd E, Pollinger J, Toffelmier E, **Smith TB**. Rapid influenza A detection and quantification in birds using a one-step real-time reverse transcriptase PCR and high resolution melting. *Journal of Virological Methods* 176: 125-130.

- 2011 Irwin DE, Irwin JH, **Smith TB**. Genetic variation and seasonal migratory connectivity in Wilson's warblers (*Wilsonia pusilla*): species-level differences in nuclear DNA between western and eastern populations. *Molecular Ecology* 20: 3102-3115.
- 2011 **Smith TB**, Thomassen HA, Freedman AH, Sehgal RNM, Buermann W, Saatchi S, Pollinger J, Milá B, Pires D, Valkiūnas G, Wayne RK. Patterns of divergence in the olive sunbird *Cyanomitra olivacea* (Aves: Nectariniidae) across the African rainforest-savanna ecotone. *Biological Journal of the Linnean Society* 103: 821-835.
- 2011 Milá B, Toews DPL, **Smith TB**, Wayne RK. A cryptic contact zone between divergent mitochondrial DNA lineages in southwestern North America supports past introgressive hybridization in the yellow-rumped warbler complex (Aves: *Dendroica coronata*). *Biological Journal of the Linnean Society* 103: 696-706.
- 2011 Chaves JA, **Smith TB**. Evolutionary patterns of diversification in the Andean hummingbird genus *Adelomyia*. *Molecular Phylogenetics and Evolution* 60: 207-218.
- 2011 Buermann W, Chaves JA, Dudley R, McGuire JA, **Smith TB**, Altshuler DL. Projected changes in elevational distribution and flight performance of montane Neotropical hummingbirds in response to climate change. *Global Change Biology* 17: 1671-1680.
- 2011 Sehgal RNM, Buermann W, Harrigan RJ, Bonneaud C, Loiseau C, Chasar A, Sepil I, Valkiūnas G, Iezhova T, Saatchi S, **Smith TB**. Spatially explicit predictions of blood parasites in a widely distributed African rainforest bird. *Proceedings of the Royal Society B*. 278: 1025-1033.
- 2011 Njabo KY, Cornel AJ, Bonneaud C, Toffelmier E, Sehgal RNM, Valkiūnas G, Russell AF, **Smith TB**. Nonspecific patterns of vector, host and avian malaria parasite associations in a Central African rainforest. *Molecular Ecology* 20: 1049-1061.
- 2011 Thomassen HA, Fuller T, Buermann W, Milá B, Kieswetter CM, Jarrín V P, Cameron SE, Mason E, Schweizer R, Schlunegger J, Chan J, Wang O, Peralvo M, Schneider CJ, Graham CH, Pollinger JP, Saatchi S, Wayne RK, **Smith TB**. Mapping evolutionary process: a multi-taxa approach to conservation prioritization. *Evolutionary Applications* 4: 397-413.
- 2011 Hendry AP, Kinnison MT, Heino M, Day T, **Smith TB**, Fitt G, Bergstrom C, Oakeshott J, Jørgensen PS, Zalucki M, Southerton S, Sih A, Denison RF, Carroll SP. Evolutionary principles and their practical application. *Evolutionary Applications* 4: 159-183.

- 2011 Marnocha EJ, Pollinger JP, **Smith TB**. Human-induced morphological shifts in an island lizard. *Evolutionary Applications* 4: 388-396.
- 2011 Laurance WF, Useche DC, Shoo LP, Herzog SK, Kessler M, Escobar F, Brehm G, Axmacher JC, Chen IC, Gámez LA, Hietz P, Fiedler K, Pyrcz T, Wolf J, Merkord CL, Cardelus C, Marshall AR, Ah-Peng C, Aplet GH, del Coro Arizmendi M, Baker WJ, Barone J, Brühl CA, Bussmann RW, Cicuzza D, Eilu G, Favila ME, Hietz P, Hemp A, Hemp C, Homeier J, Huey RB, Hurtado J, Jankowski J, Kattán G, Kluge J, Krömer T, Lees D, Lehnert M, Longino JT, Lovett J, Martin PH, Patterson BD, Pearson RG, Peh KSH, Richardson B, Richardson M, Samways M, Senbeta F, **Smith TB**, Utteridge T, Watkins JE, Wilson R, Williams SE, Thomas CD. Global warming, elevational ranges and the vulnerability of tropical biota. *Biological Conservation* 144: 548-557.
- 2010 Iezhova TA, Valkiūnas G, Loiseau C, **Smith TB**, Sehgal RNM. *Haemoproteus cyanomitrae* sp. nov. (Haemosporida: Haemoproteidae) from a widespread African songbird, the olive sunbird, *Cyanomitra olivacea*. *Journal of Parasitology* 96(1): 137-143.
- 2010 Harrigan RJ, Thomassen HA, Buermann W, Cummings RF, Kahn ME, **Smith TB**. Economic conditions predict prevalence of West Nile virus. *Economic Conditions Predict Prevalence of West Nile Virus*. *PLOS ONE* 5(11): e15437. doi:10.1371/journal.pone.0015437.
- 2010 Freedman AH, Thomassen HA, Buermann W, **Smith TB**. Genomic signals of diversification along ecological gradients in a tropical lizard. *Molecular Ecology* 19: 3773-3788.
- 2010 Thomassen HA, Jones KC, Pollinger JP, **Smith TB**. Characterization of novel microsatellite loci for *Myzomela cardinalis* and *M. rubrata* honeyeaters, and cross-amplification in other species. *Conservation Genetics Resources* 2: 205-208.
- 2010 Freedman AH, Buermann W, Mitchard ETA, DeFries RS, **Smith TB**. Human impacts flatten rainforest savanna gradient and reduce adaptive diversity in a rainforest bird. *PLOS ONE* 5(9): e13088. DOI:10.1371/journal.pone.0013088.
- 2010 Thomassen HA, Cheviron ZA, Freedman AH, Harrigan RJ, Wayne RK, **Smith TB**. Spatial modeling and landscape-level approaches for visualizing intra-specific variation. *Molecular Ecology* 19: 3532-3548.
- 2010 Fuller T, Saatchi S, Curd EE, Toffelmier E, Thomassen H, Buermann W, DeSante DF, Nott MP, Saracco JF, Ralph CJ, Alexander JD, Pollinger JP, **Smith TB**. Mapping the risk of avian influenza in wild birds in the U.S. *BMC Infectious Diseases* 10: 187. <http://www.biomedcentral.com/1471-2334/10/187>.

- 2010 Karubian J, Sork VL, Roorda T, Durães R, **Smith TB**. Destination-based seed dispersal homogenizes genetic structure of a tropical palm. *Molecular Ecology* 19: 1745-1753.
- 2010 Loiseau C, Iezhova T, Valkiūnas G, Chasar A, Hutchinson A, Buermann W, **Smith TB**, Sehgal RNM. Spatial variation of haemosporidian parasite infection in African rainforest bird species. *Journal of Parasitology* 96: 21-29.
- 2010 Thomassen HA, Buermann W, Milá B, Graham CH, Cameron SE, Schneider CJ, Pollinger JP, Saatchi S, Wayne RK, **Smith TB**. Modeling environmentally associated morphological and genetic variation in a rainforest bird, and its application to conservation prioritization. *Evolutionary Applications* 3: 1-16.
- 2009 Chasar A, Loiseau C, Valkiūnas G, Iezhova T, **Smith TB**, Sehgal RNM. Prevalence and diversity patterns of avian blood parasites in degraded African rainforest habitats. *Molecular Ecology* 18: 4121-4133.
- 2009 Clabaut C, Herrel A, Sanger T, **Smith TB**, Abzhanov A. Development of beak polymorphism in the African seedcracker, *Pyrenestes ostrinus*. *Evolution & Development* 11: 636-646.
- 2009 Kirschel ANG, Blumstein CT, Cohen RE, Buermann W, **Smith TB**, Slabbekoorn H. Birdsong tuned to the environment: green hylia song varies with elevation, tree cover, and noise. *Behavioral Ecology* 20: 1089-1095.
- 2009 Njabo KY, Cornel AJ, Sehgal RNM, Loiseau C, Buermann W, Harrigan RJ, Pollinger J, Valkiūnas G, **Smith TB**. *Coquillettidia* (Culicidae, Diptera) mosquitoes as new natural vectors of avian malaria in Africa. *Malaria Journal* 8: 193. <http://www.malariajournal.com/content/8/1/193>.
- 2009 Bonneaud C, Sepil I, Milá B, Buermann W, Pollinger J, Sehgal RNM, Valkiūnas G, Iezhova TA, Saatchi S, **Smith TB**. The prevalence of avian *Plasmodium* is higher in undisturbed tropical forests of Cameroon. *Journal of Tropical Ecology* 25: 439-44.
- 2009 Berg EC, McCormack JE, **Smith TB**. Test of an adaptive hypotheses for egg speckling along an elevational gradient in a population of Mexican jays *Aphelocoma ultramarina*. *Journal of Avian Biology* 40: 448-452.
- 2009 Milá B, Wayne RK, Fitze P, **Smith TB**. Divergence with gene flow and fine-scale phylogeographic structure in the wedge-billed woodcreeper *Glyphorhynchus spirurus*, a Neotropical rainforest bird. *Molecular Ecology* 18: 2979-2995.
- 2009 Kirschel ANG, Blumstein DT, **Smith TB**. Character displacement of song and morphology in African tinkerbirds. *Proceedings of the National Academy of Sciences* 106: 8256-8261.

- 2009 **Smith TB**. [REVIEW]. Equating forest conservation with hornbill conservation. Ecology and Conservation of Asian Hornbills: Farmers of the Forest. By M. F. Kinnaird and T. G. O'Brien. Conservation Biology 23: 782-783.
- 2009 Valkiūnas G, Iezhova TA, Loiseau C, Chasar A, **Smith TB**, Sehgal RNM. New malaria parasites of the subgenus *Novyella* in African rainforest birds, with remarks on their high prevalence, classification and diagnostics. Parasitology Research 104: 1061-1077.
- 2009 Calsbeek R, Buermann W, **Smith TB**. Parallel shifts in ecology and natural selection in an island lizard. BMC Evolutionary Biology 9: 3. <http://www.biomedcentral.com/1471-2148/9/3>.
- 2009 Freedman AH, Buermann W, LeBreton M, Chirio L, **Smith TB**. Modeling the effects of anthropogenic habitat change on savanna snake invasions into African rainforest. Conservation Biology 23: 81-92.
- 2008 McCormack JE, Bowen BS, **Smith TB**. Integrating paleoecology and genetics of bird populations in two sky island archipelagos. BMC Biology 6: 28. <http://www.biomedcentral.com/1741-7007/6/28>.
- 2008 McCormack JE, **Smith TB**. Niche expansion leads to small-scale adaptive differentiation along an elevation gradient in a medium-sized passerine bird. Proceedings of the Royal Society B 275: 2155-2164.
- 2008 Valkiūnas G, Iezhova TA, Loiseau C, Chasar A, **Smith TB**, Sehgal RNM. New species of haemosporidian parasites (Haemosporida) from African rainforest birds, with remarks on their classification. Parasitology Research 103: 1213-1228.
- 2008 **Smith TB**, Grether G. The importance of conserving evolutionary processes. Pages 85-98. In S. P. Carroll and C.W. Fox (Eds.). Conservation Biology: Evolution in Action. Oxford University Press, Oxford.
- 2008 Milá B, Wayne RK, **Smith TB**. Ecomorphology of migratory and sedentary populations of the yellow-rumped warbler (*Dendroica coronata*). Condor 110: 335-344.
- 2008 McCormack JE, Peterson AT, Bonaccorso E, **Smith TB**. Speciation in the highlands of Mexico: genetic and phenotypic divergence in the Mexican jay (*Aphelocoma ultramarina*). Molecular Ecology 17: 2505-2521.
- 2008 Buermann W, Saatchi S, **Smith TB**, Zutta BR, Chaves JA, Milá B, Graham CH. Predicting species distributions across the Amazonian and Andean regions using remote sensing data. Journal of Biogeography 35: 1160-1176.

- 2008 Saatchi S, Buermann W, ter Steege H, Mori S, **Smith TB**. Modeling distribution of Amazonian tree species and diversity using remote sensing measurements. *Remote Sensing of Environment* 112: 2000-2017.
- 2008 Tori WP, Durães R, Ryder TB, Anciães M, Karubian J, Macedo RH, Uy JAC, Parker PG, **Smith TB**, Stein AC, Webster MS, Blake JG, Loiselle BA. Advances in sexual selection theory: insights from tropical avifauna. *Ornitología Neotropical* 19 (Suppl): 151-163.
- 2008 Calsbeek R, **Smith TB**. Experimentally replicated disruptive selection on performance traits in a Caribbean lizard. *Evolution* 62: 478-484.
- 2008 Calsbeek R, Bonneaud C, **Smith TB**. Differential fitness effects of immunocompetence and neighbourhood density in alternative female lizard morphs. *Journal of Animal Ecology* 77: 102-109.
- 2008 **Smith TB**, Milá B, Grether GF, Slabbekoorn H, Sepil I, Buermann W, Saatchi S, Pollinger JP. Evolutionary consequences of human disturbance in a rainforest bird species from central Africa. *Molecular Ecology* 17: 58-71.
- 2008 **Smith TB**, Bernatchez L. Preface to the Special Issue. Evolutionary change in human-altered environments. *Molecular Ecology*.17: 1-8.
- 2008 Evolutionary change in human-altered environments (**Smith TB**, Bernatchez L, eds.) *Molecular Ecology* 17, 1-499.
- 2007 Milá B, McCormack JE, Casteñada G, Wayne RK, **Smith TB**. Recent postglacial range expansion drives the rapid diversification of a songbird lineage in the genus *Junco*. *Proceedings of the Royal Society B*. 274: 2653-2660.
- 2007 Calsbeek R, Bonneaud C, Prabhu S, Manoukis N, **Smith TB**. Multiple paternity and sperm storage lead to increased genetic diversity in *Anolis* lizards. *Evolutionary Ecology Research* 9: 495-503.
- 2007 Calsbeek R, **Smith TB**. Probing the adaptive landscape using experimental islands: density dependent natural selection on lizard body size. *Evolution* 61: 1052-1061.
- 2007 Chaves JA, Pollinger J, **Smith TB**, Leubhn G. The role of geography and ecology in shaping the phylogeography of the speckled hummingbird (*Adelomyia melanogenys*) in Ecuador. *Molecular Phylogenetics and Evolution* 43: 795-807.
- 2007 Wang BC, Sork VL, Leong MT, **Smith TB**. Hunting of mammals reduces seed removal and dispersal of the Afrotropical tree, *Antrocaryon klaineinum* (Anacardiaceae). *Biotropica* 39: 340-347.

- 2007 Calsbeek R, **Smith TB**, Knouft JH, Bardeleben C. Intraspecific variation in *Anolis sagrei* mirrors the adaptive radiation of Greater Antillean anoles. *Biological Journal of the Linnean Society* 90: 189-199.
- 2007 Milá B, **Smith TB**, Wayne RK. Speciation and rapid phenotypic differentiation in the yellow-rumped warbler *Dendroica coronata* complex. *Molecular Ecology* 16: 159-173.
- 2006 Sehgal RNM, Valkiūnas G, Iezhova TA, **Smith TB**. Blood parasites of chickens in Uganda and Cameroon with molecular descriptions of *Leucocytozoon schoutedeni* and *Trypanosoma gallinarum*. *Journal of Parasitology* 92(6): 1336-1343.
- 2006 U.S. Fish and Wildlife Service. Revised Recovery Plan for Hawaiian Forest Birds. Region 1, Portland, Oregon. 622 pp.
- 2006 Milá B, **Smith TB**, Wayne RK. Postglacial population expansion drives the evolution of long-distance migration in a songbird. *Evolution* 60: 2403-2409.
- 2006 Calsbeek R, Knouft JH, **Smith TB**. Variation in scale numbers is consistent with ecologically based natural selection acting within and between lizard species. *Evolutionary Ecology* 20: 377-394.
- 2006 Ruegg K, Slabbekoorn H, Clegg S, **Smith TB**. Divergence in mating signals correlates with ecological variation in the migratory songbird, Swainson's thrush (*Catharus ustulatus*). *Molecular Ecology* 15: 3147-3156.
- 2006 Aguilar AS, Edwards V, **Smith TB**, Wayne RK. Patterns of variation in MHC class II β loci of the little greenbul (*Andropadus virens*) with comments on MHC evolution in birds. *Journal of Heredity* 97: 133-142.
- 2006 Dingle C, Lovette IJ, Canaday C, **Smith TB**. Elevational zonation and the phylogenetic relationships of the *Henicorhina* wood-wrens. *The Auk* 123: 119-134.
- 2005 Delaney KS, Pires D, Holder K, Bardeleben C, **Smith TB**. Isolation of polymorphic tetranucleotide microsatellite markers for the black-bellied seedcracker (*Pyrenestes ostrinus*). *Molecular Ecology Notes* 5: 774-776.
- 2005 Jones HI, Sehgal RNM, **Smith TB**. *Leucocytozoon* (Apicomplexa: Leucocytozoidae) from West African birds, with descriptions of two species. *Journal of Parasitology* 29: 397-401.
- 2005 Valkiunas G, Sehgal RNM, Ieezhova TA, **Smith TB**. Further observations on the blood parasites of birds in Uganda. *Journal of Wildlife Diseases* 41: 580-587.

- 2005 Sehgal RNM, Jones HI, **Smith TB**. Molecular evidence for host specificity of parasitic nematode microfilariae in some African rainforest birds. *Molecular Ecology* 14: 3977-3988.
- 2005 Kelly J, Ruegg K, **Smith TB**. Combining isotopic and genetic markers to identify breeding origins of migrant birds. *Ecological Applications* 15: 1487-1494.
- 2005 **Smith TB**, Saatchi S, Graham C, Slabbekoorn H, Spicer G. Putting process on the map: why ecotones are important for preserving biodiversity. Pages 166-197. In A. Purvis, J. Gittleman, and T. Brooks (Eds.). *Phylogeny and Conservation*. Cambridge University Press, Cambridge, United Kingdom.
- 2005 Aguilar A, **Smith TB**, Wayne RK. A comparison of variation between a MHC pseudogene and microsatellite loci of the little greenbul (*Andropadus virens*). *BMC Evolutionary Biology* 5: 47. www.biomedcentral.com/1471-2148/5/47.
- 2005 Graham CH, **Smith TB**, Languy M. Current and historical factors influencing patterns of species richness and turnover of birds in the Gulf of Guinea highlands. *Journal of Biogeography* 32: 1371-1384.
- 2005 Karubian J, Fabarra J, Yunes D, Jorgenson JP, Romo D, **Smith TB**. Temporal and spatial patterns of macaw abundance in the Ecuadorian Amazon. *Condor* 107: 617-626.
- 2005 Sehgal RNM, Jones HI, **Smith TB**. Blood parasites of some West African rainforest birds. *Journal of Veterinary Medical Science* 67: 295-301.
- 2005 **Smith TB**, Clegg SM, Kimura M, Ruegg KC, Milá B, Lovette IJ. Molecular genetic approaches to linking breeding and overwintering areas in five Neotropical migrant passerines. Pages 222-234. In R. Greenberg and P. P. Marra (Eds.). *Birds of Two Worlds: The Ecology and Evolution of Migration*. The Johns Hopkins University Press, Baltimore and London.
- 2005 Milá B, Clegg SM, Kimura M, Ruegg K, Lovette I, **Smith TB**. Linking breeding and overwintering areas of five Nearctic-Neotropical migratory passerines using molecular genetic markers. Pages 889-892. In: C.J. Ralph and T.D. Rich (Eds.). *Bird Conservation Implementation and Integration in the Americas: Proceedings of the Third International Partners in Flight Conference, Volume 2; March 20-24, 2002, Asilomar, California*. United States Department of Agriculture, Forest Service, and Pacific Southwest Research Station, Albany, California.
- 2005 **Smith TB**, Calsbeek R, Wayne RK, Holder KH, Pires D, Bardeleben C. Testing alternative mechanisms of evolutionary divergence in an African rainforest passerine bird. *Journal of Evolutionary Biology* 18: 257-268.

- 2005 French A, **Smith TB**. Importance of body size in determining dominance hierarchies among diverse tropical frugivores. *Biotropica* 37: 95-101.
- 2005 **Smith TB**, Wayne RK, Girman D, Bruford MW. Evaluating the divergence-with-gene-flow model in natural populations: the importance of ecotones in rainforest speciation. Pages 148-165. In E. Bermingham, C.W. Dick, and C. Moritz (Eds.). *Tropical Rainforests: Past, Present, and Future*. University of Chicago Press, Chicago and London.
- 2004 Stauffer D, **Smith TB**. Breeding and nest site characteristics of the Black-casqued Hornbill *Ceratogymna atrata* and White-thighed hornbill *Ceratogymna cylindricus* in south-central Cameroon. *Ostrich* 75: 79-88.
- 2004 Keith S, **Smith TB**. *Pyrenestes*. Pages 317-324. In C. H. Fry, and S. Keith (Eds.). *The Birds of Africa, Volume VII*. Princeton University Press, Princeton and Christopher Helm, London.
- 2004 Lovette IJ, Clegg SM, **Smith TB**. Limited utility of mtDNA markers for determining connectivity among breeding and overwintering locations in three Neotropical migrant birds. *Conservation Biology* 18: 156-166.
- 2003 Karubian J, Castañeda G, Freile JF, Salazar RT, Santander T, **Smith TB**. Nesting biology of a female Long-wattled Umbrellabird *Cephalopterus penduliger* in north-western Ecuador. *Bird Conservation International* 13: 351-360.
- 2003 Calsbeek R, **Smith TB**. Ocean currents mediate evolution in island lizards. *Nature* 426: 552-555.
- 2003 Hobson KA, Wassenaar LI, Milá B, Lovette I, Dingle C, **Smith TB**. Stable isotopes as indicators of altitudinal distributions and movements in an Ecuadorean hummingbird community. *Oecologia* 136: 302-308.
- 2003 Clegg S, Kelly JF, Kimura M, **Smith TB**. Combining genetic markers and stable isotopes to reveal population connectivity and migration patterns in a Neotropical migrant, Wilson's warbler (*Wilsonia pusilla*). *Molecular Ecology* 12: 819-830.
- 2003 **Smith TB**, Marra PP, Webster MS, Lovette I, Gibbs L, Holmes RT, Rohwer S. [COMMENTARY]. A call for feather sampling. *The Auk* 120: 218-221.
- 2002 **Smith TB**. [REVIEW]. Conservation genetics gets a textbook. *An Introduction to Conservation Genetics*. By R. Frankham, J.D. Ballou, and D. A. Briscoe. *Trends in Genetics* 18: 594.
- 2002 Slabbekoorn H, **Smith TB**. Habitat-dependent song divergence in the little greenbul: an analysis of environmental selection pressures on acoustic signals. *Evolution* 56: 1849-1858.

- 2002 Holbrook KM, **Smith TB**, Hardesty BD. Implications of long-distance movements of frugivorous rainforest hornbills. *Ecography* 25: 745-749.
- 2002 Slabbekoorn H, Ellers J, **Smith TB**. Bird song and sound transmission: The benefits of reverberations. *Condor* 104: 564-573.
- 2002 Richard FA, Sehgal RNM, Jones HI, **Smith TB**. A comparative analysis of PCR-based detection methods for avian malaria. *Journal of Parasitology* 88: 819-822.
- 2002 Kimura M, Clegg SM, Lovette IJ, Holder KR, Girman D, Milá B, Wade P, **Smith TB**. Phylogeographic approaches to assessing demographic connectivity between breeding and overwintering regions in a Nearctic-Neotropical warbler (*Wilsonia pusilla*). *Molecular Ecology* 11: 1605-1616.
- 2002 Rugg K, **Smith TB**. Not as the crow flies: a historical explanation for circuitous migration in Swainson's thrush (*Catharus ustulatus*). *Proceedings of the Royal Society, London* 269: 1375-1381.
- 2002 Wang BC, **Smith TB**. Closing the seed dispersal loop. *Trends in Ecology and Evolution* 17: 379-386.
- 2002 **Smith TB**. [REVIEW] Conservation in a Changing World. Edited by G. M. Mace, A. Balmford, and J. Ginsberg. *Quarterly Review of Biology* 77: 93.
- 2002 Slabbekoorn H, **Smith TB**. Bird song, ecology and speciation. *Philosophical Transactions of the Royal Society, London* 23: 1-11.
- 2002 Poulsen JR, Clark CJ, Conner EF, **Smith TB**. Differential resource use by primates and hornbills: implications for seed dispersal. *Ecology* 83: 228-240.
- 2001 **Smith TB**, Schneider CJ, Holder K. Refugial isolation vs. ecological gradients: Testing alternative mechanisms of evolutionary divergence in four rainforest vertebrates. *Genetica* 112: 383-398.
- 2001 Poulsen JR, Clark CJ, **Smith TB**. Seed dispersal by a diurnal primate community in the Dja Reserve, Cameroon. *Journal of Tropical Ecology* 17: 787-808.
- 2001 Sehgal RNM, Jones HI, **Smith TB**. Host specificity and incidence of *Trypanosoma* in some African rainforest birds: a molecular approach. *Molecular Ecology* 10: 2319-2327.
- 2001 **Smith TB**, Kark S, Schneider CJ, Wayne RK, Moritz C. [COMMENTARY]. Biodiversity hotspots and beyond: the need for preserving environmental transitions. *Trends in Ecology and Evolution* 16: 431.

- 2001 Poulsen JR, Clark CJ, **Smith TB**. Seasonal variation in the feeding ecology of the grey-cheeked mangabey (*Lophocebus albigena*) in Cameroon. *American Journal of Primatology* 54: 91-105.
- 2001 Larison B, Laymon SA, Williams PW, **Smith TB**. Avian responses to restoration: nest site selection and reproductive success in song sparrows. *The Auk* 118: 432-442.
- 2001 VanGelder E, **Smith TB**. Breeding characteristics of the Akohekohe on east Maui. Pages 194-201. In J.M. Scott, S. Conant, and C. Van Riper (Eds.). *Evolution, Ecology, Conservation and Management of Hawaiian Birds: a Vanishing Avifauna*. Studies in Avian Biology No. 22. Cooper Ornithological Society, Camarillo, California.
- 2000 Holbrook KM, **Smith TB**. Seed dispersal and movement patterns in two species of *Ceratogymna* hornbills in a West African tropical lowland forest. *Oecologia* 125: 249-257.
- 2000 Slabbekoorn H, **Smith TB**. Does bill size polymorphism affect courtship song characteristics in the African finch *Pyrenestes ostrinus*? *Biological Journal of the Linnean Society* 71: 737-753.
- 2000 **Smith TB**, Holder K, Girman D, Larison B, O'Keefe K, Chan Y. Comparative avian phylogeography of Cameroon and Equatorial Guinea: Implications for conservation. *Molecular Ecology* 9: 1505-1516.
- 2000 Moritz C, Patton J, Schneider C, **Smith TB**. Diversification of rainforest faunas: An integrated molecular approach. *Annual Reviews of Ecology and Systematics* 31: 533-563.
- 2000 Milá B, Girman D, Kimura M, **Smith TB**. Genetic evidence for the effect of a postglacial population expansion on the phylogeography of a North American songbird. *Proceedings of the Royal Society* 267: 1-8.
- 2000 **Smith TB**, Girman D. Reaching new adaptive peaks: Evolution of bill size polymorphism in an African finch. Pages 139-156. In T. Mousseau, B. Sinervo, and J. Endler (Eds.). *Adaptive Genetic Variation in the Wild*. Oxford University Press, Oxford.
- 2000 Larison B, **Smith TB**, Fotso R, McNiven D. Comparative avian biodiversity of five mountains in northern Cameroon and Bioko. *Ostrich* 71: 269-276.
- 2000 **Smith TB**. [REVIEW] Birds of Liberia. By J. S. Ash and J. E. Miskell. *Quarterly Review of Biology* 75: 70.

- 2000 **Smith TB.** [REVIEW] Protecting nature for nature's sake. Myth and reality in the rain forest. How conservation strategies are failing West Africa. By J. A. Oates. *Conservation Biology* 14: 1561-1562.
- 2000 **Smith TB.** [REVIEW] Birds of Somalia. By W. G. Press. *Quarterly Review of Biology* 75: 70-71.
- 1999 Schneider CJ, **Smith TB**, Larison B, Moritz C. A test of alternative models of diversification in tropical rainforests: Ecological gradients vs. rainforest refugia. *Proceedings of the National Academy of Sciences* 96: 13869-13873.
- 1998 Orr MR, **Smith TB.** Ecology and speciation. *Trends in Ecology and Evolution* 13: 502-506.
- 1998 **Smith TB**, Fancy SG. Challenges and approaches for conserving Hawaii's endangered forest birds. Pages 306-316. In P. L. Fiedler, and P. M. Kareiva (Eds.). *Conservation Biology for the Coming Decade*, 2nd Edition. Chapman & Hall, New York.
- 1998 Whitney KD, Fogiel MK, Lamperti AM, Holbrook KM, Stauffer DM, Hardesty BD, Parker VT, **Smith TB.** Seed dispersal by *Ceratogymna* hornbills in the Dja Reserve Cameroon. *Journal of Tropical Ecology* 14: 351-371.
- 1998 Whitney KD, **Smith TB.** Habitat use and resource tracking by African *Ceratogymna* hornbills: implications for seed dispersal and forest conservation. *Animal Conservation* 1: 107-117.
- 1998 Larison B, Laymon SA, Williams PW, **Smith TB.** Song sparrows vs. cowbird parasites: Impacts of forest structure and nest-site selection. *Condor* 100: 93-101.
- 1998 Collins MS, **Smith TB.** Approaches to the reintroduction of the Bali Mynah. *Zoo Biology* 17: 267-284.
- 1997 **Smith TB**, Wayne RK, Girman D, Bruford MW. A role for ecotones in generating rainforest biodiversity. *Science* 276: 1855-1857.
- 1997 Snyder NFR, Derrickson SR, Beissinger SR, Wiley JW, **Smith TB**, Toone WD. Limitations of captive breeding: Reply to Gippoliti and Carpaneto. *Conservation Biology* 11: 808-810.
- 1997 **Smith TB.** Adaptive significance of the mega-billed form in the polymorphic finch Black Bellied Seedcracker *Pyrenestes ostrinus*. *Ibis* 139: 382-387.
- 1997 Snyder NFR, Derrickson SR, Beissinger SR, Wiley JW, **Smith TB**, Toone WD, Miller B. Limitations of captive breeding: Reply to Hutchins, Wiese, and Willis. *Conservation Biology* 11: 3-5.

- 1997 **Smith TB**. [REVIEW] Birds of Kenya and Northern Tanzania. By D. A. Zimmerman, D. A. Turner and D. J. Pearson. *Quarterly Review of Biology* 72: 210.
- 1996 **Smith TB**, Skúlason S. Evolutionary significance of resource polymorphisms in fish, amphibians and birds. *Annual Review of Ecology and Systematics* 27: 111-133.
- 1996 Mace G, **Smith TB**, Bruford WM, Wayne RK. An overview of the issues. Pages 1-21. In **Smith TB** and Wayne R (Eds.). *Molecular Genetic Approaches in Conservation*. Oxford University Press, Oxford.
- 1996 **Smith TB**, Bruford MW, Wayne RK. The preservation of process: The missing element of conservation programs (from *Biodiversity Letters*). Pages 71-75. In Samson, F. B., and F. L. Knopf (Eds.). *Ecosystem Management: Selected Readings*. Springer-Verlag, New York.
- 1996 **Smith TB**, Rasmussen KK, Whitney KD, Fogiel MK. A preliminary survey of birds from the Lac Lobeke Reserve, south-eastern Cameroon. *Bird Conservation International* 6: 167-174.
- 1996 **Smith TB**. [REVIEW] A Primer in Conservation Biology. By R. B. Primack. *Ecoscience* 3: 131-132.
- 1996 Snyder NFR, Derrickson SR, Beissinger SR, Wiley JW, **Smith TB**, Toone WD. Limitations of captive breeding in endangered species recovery. *Conservation Biology* 10: 338-348.
- 1996 Freed L, **Smith TB**, Lepson JK, Carothers JH. Shrinkage is not the most likely cause of bill change in the Iiwi: a rejoinder to Winker. *Conservation Biology* 10: 659-660.
- 1996 Skúlason S, **Smith TB**. The ecology of resource polymorphisms in vertebrates. A reply. *Trends in Ecology and Evolution* 11: 26.
- 1996 **Smith TB**, Wayne RK (Eds.) (EDITED BOOK). *Molecular Genetic Approaches in Conservation*. Oxford University Press, Oxford. 483 pages.
- 1995 Skúlason S, **Smith TB**. Resource polymorphisms in vertebrates. *Trends in Ecology and Evolution* 10: 366-370.
- 1995 **Smith TB**, Freed LA, Lepson JK, Carothers JH. Evolutionary consequences of extinctions in populations of a Hawaiian honeycreeper. *Conservation Biology* 9: 107-113.

- 1994 Collins MS, **Smith TB**. Post-release behavior and movements of the Bali Mynah, *Leucopsar rothschildi*. *The Watchbird* 21: 30-32.
- 1993 **Smith TB**. Disruptive selection and the genetic basis of bill size polymorphism in the African finch *Pyrenestes*. *Nature* 363: 618-620.
- 1993 **Smith TB**, Bruford MW, Wayne RK. The preservation of process: the missing element of conservation programs. *Biodiversity Letters* 1: 164-167.
- 1993 **Smith TB**, McNiven D. Preliminary survey of the avifauna of Mt. Tchabal Mbabo, west-central, Cameroon. *Bird Conservation International* 3: 13-19.
- 1993 **Smith TB**. Ecological and evolutionary significance of a third bill form in the polymorphic finch *Pyrenestes ostrinus*. Pages 61-66. In R. T. Wilson (Ed.). *Birds and the African Environment: Proceedings of the Eighth Pan-African Ornithological Congress*. Annals Musee Royal de l'Afrique Central (Zoologie) 268, Tervuren, Belgium.
- 1992 **Smith TB**. [REVIEW] Behavioral ecology of the Galah in the wheatbelt of Western Australia. By I. Rowley. *Quarterly Review of Biology* 66: 504.
- 1991 **Smith TB**. Inter- and intra-specific diet overlap during lean times between *Quelea erythrops* and bill morphs of *Pyrenestes ostrinus*. *Oikos* 60: 76-82.
- 1991 **Smith TB**. [REVIEW] Evolutionary dynamics of a natural population: the Large Cactus Finch of the Galapagos. By B. R. Grant and P. R. Grant. *The Auk* 108: 216-218.
- 1991 **Smith TB**. A doubled-billed dilemma. *Natural History* 1: 14-21.
- 1990 **Smith TB**. Patterns of morphological and geographic variation in trophic bill morphs of the African finch *Pyrenestes*. *Biological Journal of the Linnean Society* 41: 381-414.
- 1990 **Smith TB**. Natural selection on bill characters in the two bill morphs of the African finch *Pyrenestes ostrinus*. *Evolution* 44: 832-842.
- 1990 **Smith TB**. Resource use by bill morphs of an African finch: Evidence for intraspecific competition. *Ecology* 71: 1246-1257.
- 1990 **Smith TB**. Comparative breeding biology of the two bill morphs of the Black-bellied Seedcracker (*Pyrenestes ostrinus*). *The Auk* 107: 153-160.
- 1990 **Smith TB**, Frampton T, Seibels R. Preliminary results of captive breeding of bill morphs of Black-bellied (*Pyrenestes ostrinus*) and Crimson (*P. sanguineus*) Seedcrackers (Aves: Estrildidae). *Proceedings of the 1990 Regional American*

Zoo Association.

- 1989 Smith RJ, **Smith TB**. Portable device for measuring seed- hardness. *Journal of Field Ornithology* 60: 56-59.
- 1988 Kirkpatrick CE, **Smith TB**. Blood parasites of birds in Cameroon. *Journal of Parasitology* 74: 1009-1013.
- 1988 **Smith TB**. Hook-billed kite, *Chondrohierax uncinatus*. Pages 102-108. In R. S. Palmer (Ed.). *Handbook of North American Birds, Vol. 4: Cathartidae and Accipitridae*. Yale University Press, New Haven, Connecticut.
- 1987 **Smith TB**. Bill size polymorphism and interspecific niche utilization in an African finch. *Nature* 329: 717-719.
- 1987 **Smith TB**, Smith PB. Cracking the problem of bill size. *Riverbanks* 5: 2-8.
- 1983 **Smith TB**. Nest of the red-stained woodpecker (*Venilornis affinis*) from south eastern Peru. *Condor* 85: 499.
- 1982 **Smith TB**. Nests and young of two rare raptors from Mexico. *Biotropica* 14: 79-80.
- 1982 **Smith TB**, Temple SA. Grenada hook-billed kite: Recent status and life history notes. *Condor* 84: 131.
- 1982 **Smith TB**, Temple SA. Feeding habits and bill size polymorphism in hook-billed kites. *The Auk* 99: 197-207.