

CURRICULUM VITAE

Andrew Peter Dobson

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H-Index – 95 ; I10 Index – 242.

MAIN AREAS OF INTEREST

- 1) The application of theoretical ecology to problems in the areas of conservation biology and control of infectious diseases.
- 2) The ecology of infectious diseases in natural populations.
- 3) The population dynamics and life history strategies of birds and mammals (Particularly primates and elephants).

EDUCATION

- 1978-1981 D.Phil., “Mortality rates of British birds”
Edward Grey Institute, Department of Zoology, Oxford University
- 1973-1976 B.Sc. (Hons.) Zoology and Applied Entomology
Department of Pure and Applied Biology, Imperial College, London University

POSITIONS

- 2001 Professor
- 1996-2001 Associate Professor
- 1995- Director of Undergraduate Seniors
- 1990-93 Director of Graduate Studies
- 1990 Assistant Professor, Princeton University
- 1986-1990 Assistant Professor, Biology Department, University of Rochester
(from July 1st, 1986)
- 1983-1986 N.A.T.O. Post-doctoral Research Fellow, “The coevolution of parasitic helminths and their hosts”, Biology Department, Princeton University, Princeton
- 1981-1983 N.E.R.C Post-doctoral Research Fellow, “The dynamics of parasites in wild animal populations”, Department of Pure and Applied Biology,
Imperial College, London University
- 1976-1978 Research Assistant to R.M. Anderson and P.J. Whitfield
Zoology Department, King's College, London University

HONORS AND SOCIETY MEMBERSHIPS

A.D White Endowed Chair as Visiting Professor Cornell University (2016-2022)

Elected Fellow of the Ecological Society of America, 2016

Thomson Reuters 2015 group of Highly Cited Researchers (for the period 2003-2013).

Elected Fellow of American Association for the Advancement of Science, 2013.

Elected External Faculty, Santa Fe Institute, New Mexico, 2011-2022

2006 Wildlife Trust Conservation Award – Previous Winners: Jeffrey Sachs 2004, Gadgil 2005

Past chair, US Diversitas committee (committee of the National Research Council that coordinates the activities of other committees that deal with biodiversity and its conservation)

Former committee member, International Committee for Diversitas

Member Advisory Panel, National Science Foundation for NCEAS

Chair, NCEAS Working Group on Infectious Disease and Conservation
Co-Chair, NCEAS Working Groups on Spatial Epidemiology and Disease and Climate Change
Organizing committee, IBOY—International Biodiversity Observation Year 2001-02
Aldo Leopold Leadership Fellow, Ecological Society of America, 1999
Member of ESA Visions Committee: The future of the Ecological Society of America (serve on both the Scenarios and Biodiversity Panels of the Millennium Assessment)
1997 Winner of the “Deutsche Umweltstiftung” prize for Environmental Reading for “Biologische Vielfalt und Naturschutz. Der riskierte Reichtum” (German translation of Conservation and Biodiversity)
Associate of the Royal College of Science, U.K.
Member, Common Room, Wolfson College, Oxford
Member, British Ecological Society
Member, British Society for Parasitology
Member, American Ecological Society
Member, Society for Natural Resource Modeling
Member, Society for Conservation Biology
Member, Wildlife Disease Association

EDITING

Editorial Board of *Trends in Ecology and Evolution*, *Journal of Helminthology*, *Frontiers in Ecology*, *PLoS-Biology*, *EcoHealth*, *PLoS-ONE*

Ad hoc referee for *American Naturalist*, *Conservation Biology*, *Journal of Animal Ecology*, *Parasitology*, *Oecologia*, *Science*, *Proceedings of the Royal Society*, *Parasitology*, *Nature*, *Proceedings of the National Academy of Sciences U.S.A.*, *Journal of Wildlife Diseases* and other journals

TEACHING EXPERIENCE

Main Teaching

BIO 321: Population and Community Ecology
EEB 328: Ecology and Evolution of Parasitism and Infectious Diseases
EEB 334: Ecology of African Savannas

Occasional teaching

FRS 102: AIDS, Anthrax, Worms and Measles: The Ecology of Infectious Diseases
BIO 150: Managing the Global Environment
EEB 213: Introductory Statistics and Photography
EEB324: Ecology and Evolution of Parasitism and Infectious Diseases
EEB 308/WWS 438: Biodiversity Conservation Policy

Graduate courses

Tropical Field Biology (Venezuela, Panama, Costa Rica, Brazil, Brunei); Conservation Biology;
History of Ecology; Comparative Method (jointly with Carlos Martinez)

GRADUATE STUDENTS

Matt Hutchison, (BSc., CHristChurch, NZ) 2016-

Liana Watt (B.Sc. Brisbane University), 2016-

Zoe Volenec (B.Sc. Notre Dame), 2016-
Cara Brook (B.S. Stanford University), 2012-
Tim Treuer (A.B. Harvard), 2012-
Christina Faust (B.S./M.S. University of Georgia), 2010-
Jennifer Peterson (Columbia University), 2009-
Sebastian Munoz (Chile), 2009-

Nitin Sekar, (B.S. University of North Carolina, Chapel Hill), 2008-
Leslie Reperant (D.V.M. University of Lyon), 2005-2010
Juliet Pulliam (Duke University), 2002-2007
Katie Hampson (Oxford University), 2002-2007
Kelly Lee (B.Sc. U Wisconsin, Madison), 2001-2006
Ricardo Holdo (A.B. Harvard; M.S. Gainesville), 1999-2005
Anna Jolles (B.Sc. Oxford University), 1999-2004
Rae Winfree (B.Sc. Columbia; M.Sc. Rutgers), 1996-2002
Paula Kahumbu (B.Sc. Bristol University, U.K.; M.Sc. University of Florida), 1994-2001
Jon Paul Rodriguez (B.Sc. Caracas University, Venezuela), 1993-1999
Charles Foley (B.Sc. Oxford University), 1992-2002
Martha Hurley (B.Sc. Harvard University), 1991-2000
Jorge Ahumada (B.Sc. Bogota University, Columbia), 1991-1995
Adina Merenlender (M.Sc. University of California), 1987-1993

POST-DOCTORAL FELLOWS

Ian Hatton (PhD, University of Toronto), 2016-
Carrie Cizauskas (Ph.D. University of California, Berkeley), 2013-2016
Anieke van Leeuwen (Ph.D. University of Amsterdam), 2013 -2015
Paul Williams (Ph.D. Toronto University) 2012-
Raina Plowright (Ph.D. UC Davis), 2010-2014
Leslie Reperant (Ph.D. 2010 Princeton University), 2010- 2011
Claire Standley (D.Phil. Nottingham University, MNH-UK), 2010-2012
Stephanie Eby (Ph.D. Syracuse University), 2010- 2011
Peter Molnar (Ph.D. University of Calgary), 2010-
Katarzyna Nowak (D.Phil. Cambridge University), 2010- 2011
Eric Osnas (Ph.D. University of Illinois), 2009-2012
Walter Jetz (D.Phil. Oxford University), 2003-2006
Parviez Hosseini (Ph.D.,UC Santa Barbara), 2002-2009
Cassandra Nunez (Ph.D. 2002, Princeton University), 2003-2004
Karin Lindström (Ph.D. Stockholm University), 2001-2004
Jon Paul Rodriguez (Ph.D. 1999, Princeton University), 1999-2001
Sonia Altizer (Ph.D. 1998, U Minnesota), 1999-2001
Johannes Foufoupoulos (Ph.D. 1998, U Madison-Wisconsin), 1998-2002
Simon Frost (D.Phil. 1995, Oxford University), 1996-1997
Giulio de Leo (Ph.D. 1991, Polytechnico Milano), 1993-1996
Margarita Lampo (Ph.D. 1991, Caracas University), 1993-1996
Tim O'Brien (Ph.D. 1990, University of Florida), 1990-1992
Margaret Kinnaird (Ph.D. 1990, University of Florida), 1990-1992
Nicholas Georgiadis (Ph.D. 1987, Syracuse University), 1987-1989

SYMPOSIA, INVITED ADDRESSES AND SEMINARS

2017

Ecological Society of America, Invited Plenary Speaker: Trophic Cascades in Yellowstone NP.
Speaker and Organizer, "Greater Serengeti Society: Founding Meeting, Seronera, Tanzania.
Invited Participant, Ecological Solution and Human Health, NCEAS, Santa Barbara, CA, USA
Co-Organizer Workshop on Climate Change and Disease Dynamics, ICTP, Trieste, Italy
High Level UN/World Bank Meeting on Future of Water, Bellagio, Italy.
Gates Neglected Tropical Diseases Modelling Consortium, Annual Workshop, Warwick, UKE
Workshop on Fire in Serengeti, Arusha, Tanzania

2016

Invited Plenary Speaker, EcoHealth-OneHealth joint Meeting, Melbourne, Australia.
Invited Speaker, Models for Disease Control, American Society Trop Med and Hygiene Annual Meeting, Atlanta, Georgia.
MuskOx Health in a Changing Arctic Meeting, Invited Speaker, Calgary, Alberta, Canada
Invited Participant IUCN and GEF meeting, Washington Dc.
Vector Borne Disease in Changing Climate, Delhi, India
Invited Speaker, NOAA Marine Mammal Health biannual Meeting, Virginia, USA
Santa Fe Institute Workshop on Prediction, Participant
Invited Speaker, Nelson Mandela Symposium on Conservation in Africa, NMAIST, Arusha, Tanzania
Invited Plenary Speaker, Conference on Poverty Ecole EDD, Marseilles, France
Workshop on Evolution of Grassland Ecosystems, Dartmouth, New Hampshire, USA
Invited Speaker- workshop on "20 Years of Wolves in Yellowstone", Gardiner, Montana, USA

2015

Invited symposium speaker "Role of Fire in African Savanna Ecosystems", BiAnnual TAWIRI meeting, Arusha, Tanzania
Invited speaker, Grassland Dynamics Workshop, Santa Fe Institute, New Mexico, USA
Invited Speaker, Workshop on Complex Life Cycles, Santa Fe Institute,
Invited Speaker, Arctic Ungulate Meeting, Roros, Norway.
Invited Symposium Speaker, 100th Annual Meeting of Ecological Society of America, Baltimore,
Invited Plenary Speaker, Emerging Pathogens, Helsinki, Finland
Invited Plenary Speaker, One Health Meeting, Amsterdam, Netherlands
Co-Organizer ICTP Course on Climate Change and Infectious Diseases, Sao Paulo, BRazil

2014

Invited Participant, Arctic BioDiversity Meeting, Tromso, Norway.
Invited Speaker, EPD Workshop of Disease and Poverty, Paris, France
Organizer SYSENC workshop Land Use Change and Infectious Disease, Arlington, Virginia
Invited Speaker, Jacques Monod Conference on Evolution of Infectious Disease, Roscof, France
Symposium Speaker, Wildlife Disease Association, Albuquerque, New Mexico, USA
Invited Speaker Ocean Health Workshop, Friday Harbor, Washington, US

2013

IoM Emerging Microbes Symposium, Opening Plenary Speaker, IoM Washington, Sep 2013.
Workshop on Land Use Change and Disease, Co-Organizer, NCEAS, Santa Barbara, Sep 2013.
Newton Institute, Cambridge University, Invited Speaker at 20th Anniversary meeting on Epidemic Models, Cambridge, August 2013.

INTECOL, Invited Symposium Speaker, Community Ecology of Parasites, London, August 2013.
Invited Seminar Speaker, University of British Columbia, Jan 2013

2012

April. Invited Seminar at National Academy Annual Meeting Seminar on Disease Eradication by Vaccination.
August. Symposium Lecture at an Annual Ecological Society of America Meeting, Portland, Oregon.
September, 2012 - Malaria Workshop on Topical Biology Meeting, Rio De Janeiro, Brazil
October, 2012 – Artic Parasite meetings, Calgary, Canada
November, 2012 – RCN Meetings, Seattle, Washington
December, 2012 – BES Meetings, United Kingdom

2011

Invited Speaker at Wildlife Disease Association, Quebec, Canada
Invited Speaker Society for Tropical Biology and Conservation, Arusha, Tanzania
Tanzania Wildlife Research Meeting, Arusha: Building a Serengeti Food-Web.

2010

Organizer and Symposium Speaker – Disease Invasion: Impacts on Biodiversity and Human Health, Royal Society and Zoological Society of London, Nov 2010.
Invited Speaker, “What’s the Big Idea”, Society for Conservation Biology, Edmonton, Canada
Invited Speaker “Climate Change and Infectious Disease”, Ecological Society of America, Pittsburgh

2009

Invited plenary speaker – American Museum of Natural History, Spring Symposium.
March 2009, Available on the web
Invited Speaker, International Ecology Congress, Brisbane, Australia
Plenary Lecture- 2nd Diversitas Conference on Biodiversity, Cape Town, South Africa. November 2009

2008

Lecture and Ph.D. Viva, University of Montpellier, France, July 2008
Workshop on Caribou and Climate Change, University of Calgary, Canada, August 2008
Speaker, Wildlife Disease Association, Annual Meeting, Calgary, Canada, August 2008
Co-Organizer, NCEAS working group on Parasites and Food Webs, two visits Jan and Sept08
Invited Symposium Speaker, EcoHealth 2, Merida, Mexico, December 2008
Guest Lecturer, Santa Fe Institute Summer School on Networks and Complexity, Bariloche, Argentina, December 2008
Invited Speaker, IOM Symposium on Microbes and the Environment, Washington, DC, December 2008

2007

Invited Speaker, AIBS Climate Change and Infectious Disease, Annual Symposium, Washington, DC (available on the web at AIBS.com), March 2007
Two Lectures, Workshop on Foodwebs, University of Palma, Italy, June 2007
Invited Speaker, NAS Symposium In the Light of Evolution, Riverside, CA Dec 2007
Invited Speaker, Linnaeus at 300, Swedish Royal Academy of Sciences, Stockholm, Nov 2007
Invited Speaker, Santa Fe Institute Business Meeting, New Mexico, Nov 2007
Invited Speaker, Serengeti IV University of British Columbia, Vancouver, Oct 2007
Invited Speaker, Society for Environmental Journalism, Palo Alto, CA Sept 2007
Invited Speaker, Wildlife Disease Association, Estes Park, Colorado, August 2007
Symposium Organizer and Speaker, Ecological Society of America, San Jose, CA, August 2007
External Advisory Member, Frankfurt Zoological Society Field Program, Addo National Park, South Africa, Jul 2007
Symposium Organizer and Speaker, Society for Conservation Biology Annual Meeting, Port Elizabeth, South Africa, July 2007
Invited Speaker, Symposium on Emerging Infectious Diseases, American Society for Microbiology, Toronto, Canada (reported in Science News, May 2007)
Invited Speaker, Lincoln Park Zoo, Chicago, April 2007
Invited Overseas Speaker, British Society for Parasitology, Annual Meeting Belfast, April 2007
Invited Plenary Speaker, American Museum of Natural History, Annual Conference on ‘Microbial Diversity’, April 2007 (on Web)
Workshop Speaker, Malaria and Climate Change, Ahmenabad, India, March 2007
Invited Symposium Speaker, Science and Society, Boston, MA, Jan 2007

2006

Plenary Speaker, EcoHealth One, Madison Wisconsin
Invited Speaker, Columbia University, State of the Planet

2005

Darwin Day Lecturer, Virginia Commonwealth University
Invited Plenary Speaker, BioDiversity: Science and Governance, Paris, France
Invited Speaker, Ecology of Infectious Diseases, Carey Conference, Institute of Ecology

2004

AIBS Web Lecture, "Zen of Invasions"
"Infectious Diseases from Nature," University of Texas Medical Branch, Galveston Island, Texas,
March 2004
Second Annual Conference on Disease and Ecology, Emory University
ESA 89th Annual Meeting, Portland, Oregon, presented "The Coevolution of Host Social Organization
and Pathogen"
Chair and Introductory Address, Royal Society Meeting, "Beyond Extinction Rates"
Aldo Leopold Leadership Program, Portland Convention Center
The Pontifical Academy of Sciences Workshop on "Interactions between Global Change and Human
Health," Vatican City

2003

AAAS 2003 Annual Meeting at Denver, Colorado
ESA 88th Annual Meeting at Savannah., Georgia, presented "Infectious Diseases in Host Systems,"
August 2003
Second Annual Conference on Disease Ecology and Evolution, Emory University, May 2003
University of Michigan, October 2003
Annual Meeting of the British Ecological Society, Manchester Metropolitan University, UK

2002

AAAS 2002 Annual Meeting and Science Innovation Exposition, Boston, MA
Association of American Science Writers, Denver, CO
Cambridge Conservation Biology Conference
Student Guest Speaker, University of Oregon, Corvallis
Wildlife Disease Association Annual Meeting
The Ecological Society of America 87th Annual Meeting, Tucson, Arizona
Society for Conservation Biology International Meeting, Canterbury, Kent
Snowmass Annual Meeting on Economics and the Environment
Symposia on Ecology of Infectious Diseases, Penn State
53rd Annual Meeting, American Institute of Biological Sciences, Evolution: Understanding Life on
Earth
International Symposium on Integrative Biology and Complexity, Stochasticity and Scaling in Natural
Systems, Paris, France
Sub-Plenary Speaker, 10th International Congress of Parasitology, Vancouver, Canada

2001

School of Natural Resources and Environment, University of Michigan
Symposium Organizer, "The Role of Parasites and Infectious Diseases in Ecology", 86th Annual
Meeting of the Ecological Society of America, University of Wisconsin-Madison
"Immunology, Ecology and Epidemiology", Isaac Newton Institute, University of Cambridge

2000

Mountain Lake Biological Station, Co-Organizer of Summer Course
Nicholas School of the Environment, Duke University
Distinguished Visiting Ecologist, University of Michigan, 5 lectures
Odum Lecturer, University of Georgia
Kellogg Biological Station, Michigan State University

1999

Plenary Speaker, Annual Meeting Society for Applied Biology, U.K.
Symposium Speaker, Annual Meeting of the Ecological Society of America
Nicholas School of the Environment, Duke University (2 talks)
Plenary Lecture to celebrate the new president, The College of New Jersey
CNRS, Montpellier, France
Invited Speaker, Conservation Medicine Symposium, White Oak, Georgia

1998

Evolution Department, University of Montpellier, France
Zoology Department, University of Wyoming, Laramie
Biology Department, University of California, Davis

1997

School of Natural Resources, University of Michigan, Ann Arbor

1996

Biology Department, North Carolina State University, Greensboro

1995

Biology Department, Duke University
Ecology Department, University of Minnesota
Integrative Biology, University of California, Berkeley
IVIC, Caracas, Venezuela

1994

Zoology Department, Cambridge University
Veterinary School, University of Pennsylvania
Department of Zoology, University of Vermont, (2 talks)

1993

Biology Department, University of East Anglia, Norwich, England
Biology Department, Indiana University, Indiana, (2 talks)

1992

Zoology Department, University of British Columbia, Vancouver (2 talks)
Centre National de la Recherche Scientifique, Centre d'Etudes
Phytosociologiques et Ecologiques, Montpellier, France (2 talks)
Department of Ecology and Systematics, Cornell University (2 talks)

1991

Workshop on the Future of the Grizzly Bear
Zoology Department, University of California, Davis (2 talks)
Sigma Xi, Northern New Jersey Chapter

SCIENTIFIC MEETINGS – Invited and submitted talks were given at the following meetings:

2013

IoM Emerging Microbes Symposium, Opening Plenary Speaker, IoM Washington, Sep 2013.
Workshop on Land Use Change and Disease, Co-Organizer, NCEAS, Santa Barbara, Sep 2013.
Newton Institute, Cambridge University, Invited Speaker at 20th Anniversary meeting on Epidemic Models, Cambridge, August 2013.

INTECOL, Invited Symposium Speaker, Community Ecology of Parasites, London, August 2013.
Invited Seminar Speaker, University of British Columbia, Jan 2013

2012

April. Invited Seminar at National Academy Annual Meeting Seminar on Disease Eradication by Vaccination.

August. Symposium Lecture at an Annual Ecological Society of America Meeting, Portland, Oregon.

September, 2012 - Malaria Workshop on Topical Biology Meeting, Rio De Janeiro, Brazil

October, 2012 – Artic Parasite meetings, Calgary, Canada

November, 2012 – RCN Meetings, Seattle, Washington

December, 2012 – BES Meetings, United Kingdom

2011

Invited Speaker at Wildlife Disease Association, Quebec, Canada

Invited Speaker Society for Tropical Biology and Conservation, Arusha, Tanzania

Tanzania Wildlife Research Meeting, Arusha: Building a Serengeti Food-Web.

2010

Workshop on “Parasites and Food Web Structure”, NCEAS, Santa Barbara.

Organizer, joint symposium: “Emerging Pathogens of Wildlife”, Zoological Society of London and Royal Society

2009

Organizer of Workshop on Climate Change and Natural Resource Management, ICTP, Trieste, Italy
Symposium Organizer, Ecological Society of America, Albuquerque, New Mexico

2008

IOM Forum on Microbial threats, Washington, DC,

Invited Speaker, American Society of MicroBiology: Emerging Microbial Threats, Baltimore

Plenary Speaker, AIBS Annual Meeting, Climate Change and Disease, Washington DC

2007

Science and Society, Boston, MA

British Society for Parasitology, Annual Meeting Belfast, Ireland

European Student Chapter of the Wildlife Disease Association, Thessaloniki, Greece

Symposium on Emerging Infectious Diseases, American Society for Microbiology, Toronto, Canada
(reported in *Science News*, May 2007)

Invited plenary Speaker at Symposia to celebrate TerCentenary of Linneaus’s Birth, Royal Academy, Stockholm, Sweden

Invited Speaker, Annual Meeting of Santa Fe Institute,

Invited Speaker, Sackler Symposium, NAS, Irvine, CA

2006

TEAM – Tropical Environment Analysis and Synthesis Meetings, Silwood Park and Iguazu Falls, Brazil

NOAA Ocean Health Meeting, Charleston, South Carolina

Co-Chair, NCEAS Exploratory Meeting on potential for a National Center for Epidemiological Analysis and Synthesis

Co-chair and Speaker, Disease in the Oceans, AAAS, St. Louis

Workshop on Chronic Wasting Disease, Chico Hot Springs, Montana

Invited Speaker, Symposium to Celebrate Lord May PRS’s Birthday, Zoology Department, Oxford,

Invited Speaker, MIDAS workshop on Avian Influenza, Virginia

Media Training Workshop, Yellowstone to Yukon Project, Banff NP, Alberta
Workshop on Zoonotic Diseases, Trento, Italy.
Invited Symposium Speaker, Ecological Society of America, Memphis, TN

2005

Co-Chair, Mathematics and Infectious Disease, AAAS, Washington DC,
Invited Symposium Speaker, Society for Conservation Biology,
Invited Speaker, Annual Meeting in Brasilia, Brazil, INTECOL, Ecology Society of America, Montreal
Invited Speaker, Emerging Disease Meeting, Washington, DC
Invited Speaker, Declining Amphibians Conference, Washington DC
TEAM – Tropical Environment Analysis and Synthesis Meetings
Co-Chair, NCEAS Working Groups of Seasonality and Infectious Disease Dynamics and Global
Change and Malaria
BiAnnual Scientific Meeting, Tanzania National Parks
Invited Speaker, NIH/NSF Ecology of Infectious Disease Meeting, Washington DC

2004

Seasonality and the Population Dynamics of Infectious Diseases, NCEAS, April 2004
Diversitas/ICSO Meeting, Paris, France, April 2004
Santa Fé Institute, Workshop on Food Webs, Santa Fé, New Mexico, February 2004
Greater Yellowstone Coalition, Bozeman, Montana, January 2004
Global Change and Infectious Disease, NCEAS, January 2004
Society for Conservation Biology meeting, New York, July 2004

2003

West Nile Virus Wildlife Health Workshop, Smithsonian Environmental Research Center
NCEAS Understanding the Role of Infectious Disease in Mammalian Mating and Social Systems, Santa
Barbara, CA
NSF/NIH Ecology of Infectious Diseases Meeting, Arlington, Maryland
NCEAS Seasonality and the Population Dynamics of Infectious Diseases, Santa Barbara, CA
NCEAS Serengeti: The Origins and Future of a Complex Ecosystem, Santa Barbara, CA
NCEAS The Ecology of Marine Diseases, Santa Barbara, CA
Millennium Ecosystem Assessment, San Jose, February
Millennium Ecosystem Assessment, Prague, Czechoslovakia, October

2002

NCEAS Amboseli Research Workshop, Santa Barbara, CA
Chair NCEAS Disease and Conservation, Santa Barbara, CA
Co-Chair NCEAS Workshop on Disease and Spatial Processes, Santa Barbara, CA
NCEAS Nitrogen and Human Health, Santa Barbara, CA
NCEAS Infectious Diseases and Host Behavior, Santa Barbara, CA
NCEAS The Ecology of Marine Diseases, Santa Barbara, CA
NCEAS Spatial and Temporal Patterns in Malaria Dynamics, Santa Barbara, CA
Co-Chair NCEAS Diseases in Seasonal Environments, Santa Barbara, CA
Smithsonian Workshop on West Nile Virus, Annapolis, MD
Stanford University, Energy Modeling Forum Summer Workshop VIII, Climate Change and Integrated
Assessment, Snowmass, CO
Chair of U.S. National Diversity Committee, Meeting, Washington, DC
Second Global Scenarios Workshop of the Millennium Ecosystem Assessment, Bangkok, Thailand
Aldo Leopold Fellows Meeting, University of Oregon
ICTP – The Abdus Salaam international Centre for Theoretical Physics, Workshop on Theoretical
Ecology: Natural Resource Management and Conservation Biology, Trieste, Italy
ISEH International Society for Ecosystem Health, Healthy Ecosystems, Healthy People: Linkages
Between Biodiversity, Ecosystem Health and Human Health, Washington, DC

2001

USGS Biological Resources Division, “Malaria in Hawai’ian Land Birds,” Volcano National Park, Hawaii
NCEAS Workshop on “Diseases in the Ocean,” Santa Barbara
White Oak Foundation, “Disease Risk Workshop,” Jacksonville, Florida
The Ecological Society of America 86th Annual Meeting, University of Wisconsin-Madison
Envirovet Summer Institute 2001, White Oak Plantation, Jacksonville, Florida
Conservation International, Workshop on “Global Warming and Biological Diversity,” Smithsonian Environmental Research Center, Maryland
Society for Conservation Biology, 15th Annual Meeting, University of Hawaii, Hilo, Hawaii
Diversitas Task Force Meeting, Paris, France
NCEAS Workshop on “Understanding the Ecology and Evolution of Infectious Diseases in Mammalian Mating and Social Systems,” Santa Barbara
NCEAS Workshop on “Spatial Ecology of Infectious Diseases,” Santa Barbara
Wildlife Conservation Society, “Ecologically Functioning Populations Workshop,” White Oak, Jacksonville, Florida
Fogarty International Center, HEED (Health, Environment and Economic Development) Meeting, NIH Campus, Bethesda, Maryland
USGS, Biological Resources Division, Biocomplexity Annual Meeting, Hawaii
CRC Conservation and Research Center Foundation, Science Review Committee Members, Front Royal, Virginia

2000

Plenary Speaker, “Celebrating 30 Years of Ecology at IVIC,” Caracas, Venezuela
Speaker, “Culling as a Management Tool for Wildlife Populations,” Zoological Society of London
Organizing Committee of “Defying Nature’s End,” a workshop between leading ecologists and the leaders of the computer industry, August 2000
Ecological Society of America, Annual Meeting, invited speaker in two symposia
NCEAS Workshop, Organizer, Disease and Conservation
Society for Conservation Biology International Meeting, Missoula, Montana
ICTP – The Abdus Salaam International Centre for Theoretical Physics, Fifth Course of Mathematical Ecology including an introduction to Ecological Economics, Trieste, Italy
Plenary Speaker, British Ecological Society/Ecological Society of America 2000 Joint Meeting, Lake Buena Vista, Florida
Diversitas-International Biodiversity Observation Year 2001-2002, Steering Committee Meeting, Montreal, Canada
NCEAS Workshop on Disease and Spatial Processes, Santa Barbara
NCEAS Workshop on Diseases in the Ocean, Santa Barbara
ESA Ecological Forecasting Steering Committee, Washington, D.C.
2000 AAAS Annual Meeting and Science Innovation Exposition, Washington, D.C.

1999

Evolution of Parasite Communities, Perpignan, France
Symposia of Ecological Society, Spokane, Washington
Society for Applied Biology, U.K., Royal Holloway, Plenary Speaker
Organizer, NCEAS Workshop on Disease and Conservation
Participant, Amboseli Elephants and Ecological Prediction

1998

Organization Meeting for Series of Workshops on Infectious Disease, National Center of Ecological Analysis and Synthesis, Santa Barbara, California
Plenary Speaker, International Ecology Congress, Florence, Italy

Symposium Organizer, INTECOL, Florence, Italy
Plenary Speaker, Annual Meeting, Netherlands Ecological Society
Co-Organizer, Workshop on Infectious Diseases of Wildlife, Istituto Alpino di Ecologia, Trento, Italy

1997

National Academy, Ecology and Evolution of Infectious Diseases Workshop
Royal Statistical Society Workshop on Epidemic Models, Skye, Scotland
National Bison Symposium, Bozeman, Montana
SIAM Workshop on “Epidemic Models,” Atlanta, Georgia
Wildlands Association “Symposium on Wildlands,” Tucson, Arizona

1996

Visiting Fellow, Rockefeller Study Center, Bellagio, Italy
Society for Conservation Biology, 3 talks, Brown University, Rhode Island
Autumn Workshop on Theoretical Ecology, ICTP, Trieste, Italy

1995

AgResearch, Christchurch, New Zealand
BES Wildlife Disease Meeting, Stirling, U.K.
Global Change & Human Health, National Academy, Washington, D.C.
Biodiversity and Human Health, Smithsonian Institute/NIH, Washington, D.C.
Society for Conservation Biology, Fort Collins, Colorado
Ecological Society of America, Snowbird, Utah

1994

Symposium on Birds and Parasites, British Parasitological Society, Bath, U.K.
Symposium on Birds and Conservation, BOU/RSPB/BIRDLIFE/, Sandy, U.K.
Workshop on Invasion Biology, University of California, Davis, California
Society for Conservation Biology, Guadalajara, Mexico
Wildlife Disease Association, Asilomar, California
International Ornithology Congress, Vienna, Austria
Bison & Brucellosis in Yellowstone, Jackson, Wyoming
Autumn Workshop on Theoretical Ecology, ICTP, Trieste, Italy
British Ecological Society, Birmingham, England

1993

January-June: Visiting Research Fellow, Isaac Newton Institute for Mathematics and its Applications, Cambridge, England. Invited talks in two major symposia on Model Structure and on Human Diseases; Organized a third symposium on Diseases in Natural Populations (with Bryan Grenfell)
NERC/SRC Wildlife Diseases Workshop, University of Warwick, England
International Theriological Congress, Sydney, Australia, 2 talks
Summer Workshop on Theoretical Ecology, Vancouver, British Columbia
VI Game Biology Conference, Halifax, Nova Scotia
Ecological Society of America, Madison, Wisconsin

1992

Session on elephant reproduction. Society for Reproduction & Fertility, Nairobi, Kenya
III Conference on Mathematical Ecology, Institute of Theoretical Physics, Trieste, Italy
The Conservation Biology Society, Madison, Wisconsin

1991

Serengeti II. Research & Conservation, Seronera, Serengeti, Tanzania, 2 talks
The British Ecological Society’s Symposium on Genes in Ecology

1990

The Instituto Tropical at the University of Caracas, Venezuela
Towards the 21st Century, University of California, Los Angeles

FUNDING AND SUPPORT

- 2009-2014 James S. McDonnell Foundation. Allometry of Parasites and Food-Webs. \$445,730.
- 2006-2011 NSF Community Dynamics of an Emergent Pathogen: Intrinsic Versus Extrinsic Mechanisms, Cornell University. \$279,521.
- 2005-2010 NSF Collaborative Research: Predicting the Effects of Environmental Change and Host Diversity on the Dynamics of Insect-Vectored Generalist Pathogens. \$440,732.
- 2009-2011 Wildlife Trust/NIH Nipah virus transmission and Epidemiology in Bangladesh. \$55,950.
- 2006-2011, NSF/NIH Ecology of Infectious Diseases, Co-PI with Andre Dhondt, Cornell, Community Dynamics of Conjunctivitis in House Finches. \$2,500,000.
- 2005-2010 NSF/NIH Ecology of Infectious Diseases, Co-PI with Elizabeth Borer and Eric Seabloom, Community Ecology of Barley Yellow Dwarf Virus. \$1,950,000.
- 2004-2009 NSF/NIH Ecology of Infectious Diseases, Co-PI with Mercedes Pascual, University of Michigan, "Ecology of Cholera and Climate." \$1,640,000.
- 2004-2008 NOAA Ocean Health Initiative, Co-PI with Mercedes Pascual, University of Michigan, "Ecology of Cholera and Climate." \$990,000.
- 2002-2006 NSF Biocomplexity Sub-Contract with Craig Packer, University of Minnesota, "The Ecology of Serengeti." \$2,000,000.
- 2002-2003, Conservation International, Center for Applied Biodiversity Science. Jointly
- 2005-2007 with John Gittleman, University of Virginia. "The Role of Pathogens in the Conservation of Biological Diversity." \$100,000.
- 2002-2007. NSF/NIH Co-PI with Craig Packer, University of Minnesota. "Viral Transmission Dynamics in the Serengeti." \$2,000,000.
- 2002-2006. NSF/NIH Sub-Contract with Peter Daszak at Wildlife Trust and Alex Hyatt, CSIRO. "The Ecology of Emerging Infectious Disease: Nipah and Hendra viruses."
- 2002-2007 NSF/NIH Sub-Contract with Armand Kuris and Kevin Lafferty, University of California at Santa Barbara. "The Role of Parasites in Salt Marsh Food Webs."
- 2000-2004 NSF Biocomplexity Program. Sub-Contract with David C. Duffy, University of Hawaii at Manoa. "Biocomplexity of introduced avian diseases in Hawaii: Threats to biodiversity of native forest ecosystems."
- 2000-2004 NSF/NIH Sub-Contract with André Dhondt, Cornell University. "Dynamics of an emerging pathogen in an introduced host."

- 2000- 2003 Sub-Contract with Linda Lowenstine, University of California at Davis. "Epidemiology and Population Dynamics of Herpes Virus in California Sea Lions. NIH/NSF Fogarty Initiative in Ecology of Infective Diseases."
- 1999-2001 NSF grant (jointly with Tom Hahn) "Infectious Disease and Reproductive Physiology of Mountain White-crowned Sparrows."
- 1999- 2000 Environmental Defense. "Population Viability Analysis of Utah Prairie Dogs."
- 1998-2000 Report to US Fish & Wildlife/NSG, Wildlife Disease Unit. "The Potential Use of Infectious Agents in the Control of the Brown Tree Snake on Guam."
- 1997-1998 USAID Cobra Project & Kenya Wildlife Service. "Wildlife Utilization and Monitoring in Laikipia District, Kenya."
- 1996-1997 Environmental Defense Fund, William Mott Fund. "Geographical Distribution of Endangered Species in the United States."
- 1994-1995 Geraldine R. Dodge Foundation. "Infectious Disease and Conservation Biology."
- Long-term funding for my work with Peter Hudson on grouse populations comes from the Game Conservancy, U.K.

The African Wildlife Foundation has paid for the long-term population studies of elephants at Amboseli; this covers my research when at Amboseli. Kenya Wildlife Service covered my expenses when working on elephants.

The New York Zoological Society and Wildlife Conservation International have paid for my long-term research on rinderpest and its control in Ngorongoro Conservation Area in Tanzania.

The National Park Service has paid for my work on brucellosis in Yellowstone National Park, while the Wilderness Society paid for some work on the viability of Grizzly bear populations in the Northern Rockies.

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Books

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Nature podcast, September 2010 following "Road Will Ruin Serengeti".

Interview with BBC, Norfolk, September 2010 about the road through the Serengeti.

TV Interview with Fox news after giving Congressional testimony on the Endangered Species Act.

Chief scientific consultant for two PBS series which will premiere in 2003 and 2004: "Outbreak" dealing with infectious diseases and human welfare; and the second series dealing with the State of the Natural World in the Third Millennium.

Scientific Advisory Board to the Sea Studios Environmental series 'Strange Days on Planet Earth'.

Numerous radio and newspaper interviews following publication of "Disease and Climate Change" article in *Science*. 2002.

I worked as a scientific consultant and script editor to Bailey Silleck '62 on the IMAX film "Lost Worlds: Life in the Balance." The film describes the current biodiversity crisis. The movie is partly based on my book "Conservation and Biodiversity," it is narrated by Harrison Ford and Margarita Lampo. The film premiered in various cities though out the U.S. in 2002, nominated for an award at Wildscreen 2002. Bailey Silleck and I are working on drafts for an IMAX film on the life of Alfred Russell Wallace and also an IMAX film on the Serengeti.

Chief scientific consultant for MW Productions for a four-part TV series on "Voyages of Natural Discovery 1700-2000."

I have appeared at least once a year on NPR's "Living World" and "Science Friday" to discuss the work on infectious disease ecology and on the geographic distribution of endangered species.

“Young Girl Carrying Firewood” Honorable Mention in *Natural History* magazine’s 90th Anniversary Photographic Competition, *Natural History*, 1990, **6**: p. 48.