

**CURRICULUM VITAE**  
**Andrew Peter Dobson**

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**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 AND POSITIONS HELD**

|           |  |
|-----------|--|
| 2001      | Professor  |
| 1996-2001 | Associate Professor  |
| 1995-     | Director of Undergraduate Seniors  |
| 1990-93   | Director of Graduate Studies   |
| 1990      | Assistant Professor, Princeton University  |
| 1986-1990 | Biology Department, University of Rochester.<br>Assistant Professor (from July 1st, 1986)  |
| 1983-1986 | Biology Department, Princeton University, Princeton.<br>N.A.T.O. Post-Doctoral Research Fellow:<br>"The coevolution of parasitic helminths and their hosts"                        |
| 1981-1983 | Department of Pure and Applied Biology, Imperial College,<br>London University. N.E.R.C. Post-Doctoral Research Fellow:<br>"The dynamics of parasites in wild animal populations." |
| 1978-1981 | Edward Grey Institute, Department of Zoology, Oxford University.<br>D.Phil.: "Mortality rates of British birds"  |
| 1976-1978 | Zoology Department, King's College, London University.<br>Research Assistant to R.M. Anderson and P.J. Whitfield   |
| 1973-1976 | Department of Pure and Applied Biology, Imperial College,<br>London University. B.Sc. (Hons.) Zoology and Applied Entomology   |

## HONORS AND SOCIETY MEMBERSHIPS

2006 Wildlife Trust Conservation Award – Previous Winners: Jeffrey Sachs 2004, Gadgil 2005.  
Past chair of the US Diversitas committee—the committee of the National Research Council that coordinates the activities of other committees that deal with biodiversity and its conservation.  
Former committee member of the International Committee for Diversitas.  
Member of the Advisory Panel to the National Science Foundation for NCEAS.  
Chair of NCEAS Working Group on Infectious Disease and Conservation  
Co-Chair of NCEAS Working Groups on Spatial Epidemiology and Disease and Climate Change  
Organizing committee of IBOY—International Biodiversity Observation Year 2001-2002.  
Aldo Leopold Leadership Fellow, Ecological Society of America, 1999.  
Member of ESA Visions Committee - the future of the Ecological Society of America. I serve on both the Scenarios and Biodiversity Panels of the Millennium Assessment  
Winner of the “Deutsche Umweltstiftung” prize for Environmental Reading, 1997, for “Biologische Vielfalt und Naturschutz. Der riskierte Reichtum.” (German translation of Conservation and Biodiversity.)

Associate of the Royal College of Science, U.K.  
Member of Common Room, Wolfson College, Oxford  
Member:       British Ecological Society  
                  British Society for Parasitology  
                  American Ecological Society  
                  Society for Natural Resource Modeling  
                  Society for Conservation Biology  
                  Wildlife Disease Association

## EDITING

Editorial Board of *Trends in Ecology and Evolution*, *Journal of Helminthology*,  
*Frontiers in Ecology*, *PLOS-Biology*, *EcoHealth*  
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  
EEB324: Ecology and Evolution of Parasitism and Infectious Diseases  
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)  
Conservation Biology; History of Ecology  
Comparative Method (jointly with Carlos Martinez)

## **GRADUATE STUDENTS**

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

## **POST-DOCTORAL FELLOWS**

Walter Jetz 2003- (Oxford University)  
Parvize Hosseini 2002- (University of California, Santa Barbara)  
Karin Lindström, 2001- (Stockholm University)  
Jon Paul Rodriguez, 1999-2001 (Ph.D. 1999, Princeton University)  
Sonia Altizer, 1999-2001 (Ph.D. 1998, University of Minnesota)  
Johannes Foufoupoulos, 1998-2002 (Ph.D. 1998, University of Madison-Wisconsin)  
Simon Frost, 1996-1997 (D.Phil. 1995, Oxford University)  
Giulio de Leo, 1993-1996 (Ph.D. 1991, Polytechnico Milano)  
Margarita Lampo, 1993-1996 (Ph.D. 1991, Caracas University)  
Tim O'Brien, 1990-1992 (Ph.D. 1990, University of Florida)  
Margaret Kinnaird, 1990-1992 (Ph.D. 1990, University of Florida)  
Nicholas Georgiadis, 1987-1989 (Ph.D. 1987, Syracuse University)

## **SYMPOSIA, INVITED ADDRESSES AND SEMINARS**

### **2008**

**Invited Speaker, AIBS Climate Change and Infectious Disease, Annual Symposium, Washington, DC (available on the web at AIBS.com), March 2007**

**Two Lectures at Workshop on Foodwebs, University of Palma, Italy, June 2007.**

**Lecture and PhD Viva, University of Montpellier, France, July 2008.**

**Workshop on Caribou and Climate Change, University of Calgary, Canada, Aug08**

**Speaker at Wildlife Disease Association, Annual Meeting, Calgary, Canada, August 08.**

**Co-Organize, NCEAS working group on Parasites and FoodWebs, two visits Jan and Sept08**

**Invited Symposium Speaker, EcoHealth 2, Merida, Mexico, Dec08**

**Guest Lecturer, Santa Fe Institute Summer School on Networks and Complexity, Bariloche, Argentina, December 08.**

**Invited Speaker, IOM Symposium on Microbes and the Environment, Washington, DC Dec08**

### **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**

**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, Aug 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, Jul 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).**

**Invited Lecturer on the European Student Chapter of the Wildlife Disease Association, Thessaloniki, Greece – April 2007**

**Workshop Speaker, Malaria and Climate Change, Ahmenabad, India, March 2007**

**Science and Society, Boston, Mass, Jan 2007 – Invited Symposium Speaker.**

### **2006**

**EcoHealth One, Madison Wisconsin. Invited Plenary Speaker.**

**Columbia University, State of the Planet 2006. Invited Speaker.**

### **2005**

**Darwin Day Lecturer, Virginia Commonwealth University**

BioDiversity: Science and Governance, Paris, France – Invited Plenary Speaker.  
Ecology of Infectious Diseases, Carey Conference, Institute of Ecology – Invited Speaker

## **2004**

AIBS Web Lecture, “Zen of Invasions”  
University of Texas Medical Branch, “Infectious Diseases from Nature,” Galveston Island,  
Texas, March 2004  
Emory University Second Annual Conference on Disease and Ecology  
ESA 89<sup>th</sup> Annual Meeting, Portland, Oregon, presented “The Coevolution of Host Social  
Organization and Pathogen”  
Royal Society Meeting, “Beyond Extinction Rates,” Chair and Introductory Address  
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 88<sup>th</sup> Annual Meetings at Savannah., Georgia, presented “Infectious Diseases in Host  
Systems,” August 2003  
Emory University, Second Annual Conference on Disease Ecology and Evolution, May 2003  
University of Michigan, October 2003  
British Ecological Society Annual meeting, 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 at University of Oregon, Corvallis.  
Wildlife Disease Association Annual Meeting,  
The Ecological Society of America 87<sup>th</sup> Annual Meeting at 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  
53<sup>rd</sup> 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  
The 10<sup>th</sup> International Congress of Parasitology, Sub-Plenary Speaker, Vancouver, Canada

## **2001**

University of Michigan, School of Natural Resources and Environment  
The Ecological Society of America 86<sup>th</sup> Annual Meeting, Organizer, Symposium on “The Role  
of Parasites and Infectious Diseases in Ecology,” University of Wisconsin-Madison  
Isaac Newton Institute, University of Cambridge, “Immunology, Ecology and Epidemiology”

## **2000**

Mountain Lake Biological Station, Co-Organizer of Summer Course  
Duke University, Nicholas School of the Environment  
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.  
Ecological Society of America, Annual Meeting, Symposium Speaker  
Nicholas School of the Environment, Duke University, 2 talks  
The College of New Jersey, Plenary Lecture to celebrate the new president  
CNRS, Montpellier, France  
Invited Speaker, Conservation Medicine Symposium, WhiteOak, 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**

Future of the Grizzly Bear Workshop  
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:

## **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  
AAAS, St Louis, Co-Chair and Speaker, Disease in the Oceans.  
Workshop on Chronic Wasting Disease, Chico Hot Springs, Montana  
Symposium to Celebrate Lord May PRS's Birthday, Zoology Department, Oxford, Invited Speaker  
Invited Speaker MIDAS workshop on Avian Influenza, Virginia  
Media Training Workshop, Yellowstone to Yukon Project, Banff NP, Alberta  
Workshop on Zoonotic Diseases, Trento, Italy.  
Ecological Society of America, Memphis, Tennessee, Invited Symposium Speaker

## **2005**

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

## **2004**

NCEAS, Seasonality and the Population Dynamics of Infectious Diseases, 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  
NCEAS, Global Change and Infectious Disease, 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, California  
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 86<sup>th</sup> 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, 15<sup>th</sup> 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  
NCEAS Workshops:  
Organizer, 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**

**NSF/NIH Ecology of Infectious Diseases, Co-PI with Andre Dhondt, Cornell, Community Dynamics of Conjunctivitis in House Finches, 2006-2011, \$2,500,000**

**NSF/NIH Ecology of Infectious Diseases, Co-PI with Elizabeth Borer and Eric Seabloom, Community Ecology of Barley Yellow Dwarf Virus, 2005-2010, \$1,950,000**

NSF/NIH Ecology of Infectious Diseases, Co-PI with Mercedes Pascual, University of Michigan, "Ecology of Cholera and Climate," 2004-2009, \$1,640,000

NOAA Ocean Health Initiative, Co-PI with Mercedes Pascual, University of Michigan, "Ecology of Cholera and Climate," 2004-2008, \$990,000

NSF Biocomplexity Sub-Contract with Craig Packer, University of Minnesota, "The Ecology of Serengeti", 2002-2006, \$2,000,000

Conservation International, Center for Applied Biodiversity Science. Jointly with John Gittleman, University of Virginia. "The Role of Pathogens in the Conservation of Biological Diversity." 2002-2003, 2005-2007. \$100,000

NSF/NIH Co-PI with Craig Packer, University of Minnesota. "Viral Transmission Dynamics in the Serengeti." 2002-2007. \$2,000,000

NSF/NIH Sub-Contract with Peter Daszak at Wildlife Trust and Alex Hyatt, CSIRO. "The Ecology of Emerging Infectious Disease: Nipah and Hendra viruses." 2002-2006.

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." 2002-2007.

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." 2000-2004

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." Sept. 2000-Aug. 2003.

NSF grant (jointly with Tom Hahn) "Infectious Disease and Reproductive Physiology of Mountain White-crowned Sparrows." 1999-2001.

Environmental Defense. "Population Viability Analysis of Utah Prairie Dogs." 1999-2000.

"The Potential Use of Infectious Agents in the Control of the Brown Tree Snake on Guam." Report to US Fish & Wildlife/NSG, Wildlife Disease Unit, 1998-2000.

USAID Cobra Project & Kenya Wildlife Service. "Wildlife Utilization and Monitoring in Laikipia District, Kenya." 1997-98.

Environmental Defense Fund, William Mott Fund. "Geographical Distribution of Endangered Species in the United States." 1996-97.

Geraldine R. Dodge Foundation. "Infectious Disease and Conservation Biology." 1994-1995.

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.

## **SCIENTIFIC PUBLICATIONS**

### **Books**

Dobson 2009, *Serengeti Lives* (in prep) University of Chicago Press.

Hudson, P.J., Rizzoli, A., Grenfell, B., Hesterbeek, H. and A. P. Dobson, Eds., *The Ecology of Wildlife Diseases*. Oxford University Press, 2001. (See review in *Ecology*, Wilson, M., Dec. 2002).

Landweber, L. and A.P. Dobson, Eds., 1999. *Genetics and the Extinction of Species. DNA and the Conservation of Biodiversity*. Princeton University Press.

Dobson, A.P., 1996. *Conservation and Biodiversity*. Scientific American Libraries, Freeman, New York.

Dobson, A.P., 1997. *Biologische Vielfalt und Naturschutz. Der riskierte Reichtum*. (German translation of *Conservation and Biodiversity*). Winner of the 'Deutsche Umweltstiftung' prize for Environmental Reading, 1997.

Dobson, A.P., 2000. Japanese Edition of *Conservation and Biodiversity*.

Grenfell, B.T. and A.P. Dobson, Eds., 1995. *Ecology of Infectious Diseases in Natural Populations*. Cambridge University Press, Cambridge.

### Refereed Articles

Bolzoni, L., DeLeo, G. A., Gatto, M. & **Dobson, A. P.** 2008a Body size scaling in an SEI model of wildlife diseases. *Theoretical Population Biology* **73**, 374-382.

Bolzoni, L., **Dobson, A.**, Gatto, M. & De Leo, G. A. 2008b Allometric Scaling and Seasonality in the Epidemics of Wildlife Diseases. *The American Naturalist* **172**, 818-828.

Cleaveland, S., Packer, C., Hampson, K., Kaare, M., Kock, R., Mlengeya, T. & **Dobson, A. P.** 2008 The Multiple Roles of Infectious Diseases in the Serengeti Ecosystem. In *Serengeti III. Human impacts on ecosystem dynamics* (ed. A. R. E. Sinclair, C. Packer, S. A. R. Nduma & J. M. Fryxell). Chicago: Chicago University Press.

Craft, M. E., Hawthorne, P. L., Packer, C. & **Dobson, A. P.** 2008 Dynamics of a multihost pathogen in a carnivore community. *Journal of Animal Ecology* (**in press, online early**).

**Dobson, A. P.**, Lafferty, K. D., Kuris, A. M., Hechinger, R. F. & Jetz, W. 2008 Homage to Linnaeus: How many parasites? How many hosts? *PNAS* (**in press, online early**).

**Dobson, A. P.** & Lynes, L. 2008 How does poaching effect the size of National Parks? *Trends in Ecology and Evolution* **23**, 177-180.

Hampson, K., **Dobson, A.**, Kaare, M., Dushoff, J., Magoto, M., Sindoya, E. & Cleaveland, S. 2008 Rabies exposures, post-exposure prophylaxis and deaths in a region of endemic canine rabies: a contact-tracing study. *PLOS Neglected Diseases* **2**, e339. doi:10.1371/journal.pntd.0000339.

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## **Radio, Television and the Media**

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.