

# *Meredith A. Barrett*

University Program in Ecology, Duke University

Box 90338, Durham, NC 27708

*meredith.barrett@duke.edu*

## E D U C A T I O N

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- DUKE UNIVERSITY**, Durham, NC August 2006-present  
Ph.D. Program in Ecology, ABD. Advisor: Dr. Anne Yoder  
Expected graduation: December 2010
- WESLEYAN UNIVERSITY**, Middletown, CT September 1999-May 2003  
B.A: Earth & Environmental Sciences, *Phi Beta Kappa*
- DUKE UNIVERSITY**, Duke Environmental Leadership Program, Durham, NC March 2008  
Implementation of the National Environmental Policy Act

## H O N O R S A N D F E L L O W S H I P S

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- NSF Graduate Research Fellowship March 2007-2010  
Duke University Graduate Fellowship August 2006-present  
*Phi Beta Kappa*, Wesleyan University May 2003  
Wesleyan University Deans List May 1999-2003  
NCAA All-American Scholar-Athlete May 2001  
New England Division III Champion May 2001  
Bank of America Award for Math June 1998  
National Merit Commended Scholar June 1998

## R E S E A R C H E X P E R I E N C E

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- PRINCIPAL INVESTIGATOR**, **Lemur Health and Conservation Project**, Madagascar and Duke University  
September 2006 - present
- JOURNAL EDITOR**, **American Journal Experts**, Durham, NC  
November 2006-present
- CONSULTING BIOLOGIST**, **Bioko Biodiversity Protection Program**, Malabo, Equatorial Guinea  
January-June 2006
- DATA ANALYST**, **U.S. Fish & Wildlife Service**, Alaska Maritime NWR  
September-November 2005
- BIOLOGICAL SCIENCE TECHNICIAN**, **U.S. Fish & Wildlife Service**, Alaska Maritime NWR  
May-September 2005
- WILDLIFE FIELD TECHNICIAN**, **Department of Natural Resources**, Grand Rapids, MN  
January-April 2005
- BIOLOGICAL FIELD RESEARCHER**, **NSF Research Experience for Undergraduates**, **Nyanza Project**,  
Kigoma, Tanzania, June-September 2003
- CONSERVATION RESEARCH ASSISTANT**, **Fundación Jatun Sacha**, Ecuador  
February-May 2002
- LABORATORY TECHNICIAN**, **Earth & Environmental Sciences Department**, Wesleyan University, CT  
May 2000-May 2001
- LABORATORY TECHNICIAN**, **Earth & Environmental Sciences Department**, Wesleyan University, CT  
September 1999-December 2000
- CONSERVATION VOLUNTEER**, **Australian Trust for Conservation Volunteers**, Australia  
March-May 1999

## L E A D E R S H I P E X P E R I E N C E

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**PRESIDENT, Nicholas Institute Graduate Liaisons, Duke University, NC**

September 2009 - present

**EXECUTIVE BOARD MEMBER, Eno River Association, Durham, NC**

March 2008- present

**COUNCIL MEMBER, Duke Global Health Institute Student Advisory Board, Duke University, Durham, NC**

August 2009 - present

**EXECUTIVE BOARD MEMBER, International Association for Ecology and Health, Journal Editorial Committee**

September 2009 - present

**COORDINATOR, International Association for Ecology and Health, Student Section**

April 2009 - present

**COORDINATOR, Global Health Working Group, Duke University Center for International Studies, Duke University, NC, May 2007- present**

**DIRECTOR, Duke University Program in Ecology Seminar Series, Duke University, NC**

October 2007- September 2009

**COORDINATOR, Biology Superspeaker Seminar Series, Duke University, NC**

September 2008 – October 2009

**COORDINATOR, Oosting Memorial Lecture Series, Duke University, NC**

October 2007-2008

**TRANSCONTINENTAL BICYCLIST, Half Moon Bay, CA to Crescent Beach, FL**

September 2003-November 2003

**FOUNDER/PRESIDENT, Wesleyan Triathlon Club, Middletown, CT**

September 2002-June 2003

**CAPTAIN, Wesleyan University Track and Field, Middletown, CT**

September 2000-June 2001

**PRESIDENT, Wesleyan University Outdoors Club, Middletown, CT**

August 2000-December 2001

## O U T R E A C H E X P E R I E N C E

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**SCIENCE COMMUNICATOR, Lemur Health and Conservation Blog, Duke University Office of News and Communication, Durham, NC. May 2008 – present (<http://lemurhealth.blogspot.com/>)**

**MENTOR, Department of Primatology and Biological Anthropology, University of Antananarivo, Madagascar**

Master's thesis mentor for Malgasy student, Herman Rafalinirina, June 2008-present

**COORDINATOR & MENTOR, Nicholas School Women's Mentoring Series, Duke University, Durham,**

January 2007 – 2009

**SCIENCE COMMUNICATOR, Talking Science, New York, NY**

February 2009

**FEATURED SCIENCE COMMUNICATOR, Science Online '09: Women in Science Networking, Research Triangle Park, NC**

**PARTICIPANT, Communicating Science Workshop with the AAAS and NSF**

April 2008

**MENTOR, Women and Mathematics Network, Durham, NC**

January 2007-present

**COMMUNITY OUTREACH COORDINATOR, Big Sur Environmental Institute, Big Sur, CA**

January 2004-January 2005

**INTERPRETIVE DOCENT, Pt. Lobos State Reserve, Carmel, CA**

February 2004-January 2005

**EDUCATION COORDINATOR ASSISTANT, Ventana Wilderness Society, Salinas, CA**

February-December 2004

**SCIENCE TEACHER, Action Science Kids, Middletown, CT**

September 2002-May 2003

## TEACHING EXPERIENCE

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**TEACHING ASSISTANT & LAB INSTRUCTOR**, Duke University Department of Biology, Durham, NC  
August 2006-2007

Courses: AIDS & Emerging Diseases; Comparative Animal Physiology

**INSTRUCTOR**, Exploring Natural Science Courses, Ventana Wilderness Society, Salinas, CA  
February-December 2004

## FUNDING AWARDS

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|   |                  |
|---|------------------|
| NSF Graduate Research Fellowship (\$91,000)   | Sept 2007 - 2010 |
| Saint Louis Zoo Field Research for Conservation (\$9,737)                               | Oct 2007-2010    |
| Duke University Graduate School Dissertation Research Award (\$2,500)                   | January 2010     |
| Duke Global Health Institute Conference Travel Award (\$500)                            | May 2009         |
| Duke University Graduate School Travel Award (\$500)                                    | May 2009         |
| Duke University Nicholas School of the Environment Travel Award (\$400)                 | April 2009       |
| DUCIS Graduate Award for Research and Training (\$2,500)                                | May 2008         |
| GlaxoSmithKline Global Health Graduate Research Award (\$4,865)                         | March 2008       |
| NSF Graduate Research Travel Fellowship (\$1,000)                                       | March 2008       |
| Duke University Biology Department, Graduate Student Research Award (\$1,050)           | March 2008       |
| Duke University Graduate Fellowship (\$23,000)  | Aug 2006-2007    |
| Ecology and Evolution of Infectious Disease Workshop Fellow, Cornell University (\$600) | June 2007        |
| DUCIS Graduate Award for Research and Training in Global Health (\$2,000)               | April 2007       |
| Duke University Research Award (\$2,000)  | April 2007       |
| SIDG Lazar Fellow International Research Award (\$1,000)                                | April 2007       |
| NSF Research Experience for Undergraduates, University of Arizona/Tanzania (\$5,000)    | June 2003        |

## PUBLICATIONS

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**Barrett, MA** and Ratsimbazafy, J. 2009. Luxury bushmeat trade threatens lemur conservation. *Nature* 461: 470.

**Barrett, MA**, Bouley TA, Stoertz AH, and Stoertz RW. 2010. Integrating a One Health approach in education to address global health and sustainability challenges. *In press at Frontiers in Ecology and the Environment*.

**Barrett, MA**, Brown JL, Morikawa MK and Yoder AD. Modeling the effects of illicit rosewood logging in Madagascar: A call for CITES designation. *In review*.

Crowley, BE, Thorén S, Rasoazanabary E, **Barrett MA**, Zohdy S, Blanco MB, McGoogan KC, Arrigo-Nelson SJ, Irwin MT, Vogel ER, Wright PC, Radespiel U, Godfrey LR and Dominy NJ. Biogeographic variation in mouse lemur (*Microcebus*) isotopes in Madagascar. *In review at Journal of Biogeography*.

**Barrett, MA**, Morano S, DelGiudice GD, and Fieberg J. 2008. Translating bait preference to capture success of northern white-tailed deer. *Journal of Wildlife Management* 72: 555-560.

Andersen, EM and **Barrett, MA**. 2005. Biological Monitoring at Buldir Island, Alaska in 2005: Summary Appendices. *USFWS Administrative Report*. AMNWR 09/05. Homer, AK. 135 pp.

**Barrett, MA**, Andersen EM, Murphy MA, and Sabora SF. 2005. Biological monitoring at Buldir Island, Alaska in 2004: Summary appendices. *U.S. Fish and Wildl. Serv. Rep.* AMNWR 05/19. Homer, Alaska. 126 pp.

Murphy, NM, Williams JC, Andersen EM, and **Barrett MA**. 2005. Biological Monitoring at Buldir Island, Alaska in 2003: Summary appendices. *U.S. Fish and Wildl. Serv. Rep.* AMNWR 05/17. Homer, Alaska. 125 pp.

## POPULAR SCIENCE

- Barrett, MA.** “Getting to know Kirindy Mitea: Field research in the dry forests of Madagascar.” *Talking Science*. 11 Feb 2009.
- Barrett, MA.** “Catch a falling star: Capture methods in lemur health studies.” *Talking Science*. 9 Feb 2009.
- Barrett, MA.** “Microcebus super-sleuth: Using genetic methods to establish species delimitations in Madagascar.” *Talking Science*. 9 Feb 2009.
- Barrett, MA.** “The call of the Indri.” *Talking Science*. 9 February 2009.
- Barrett, MA.** “Dogs and cats and rats, oh my! The challenge of domestic animals and invasive species for human and wildlife health.” *Talking Science*. 2 February 2009.
- Barrett, MA.** “Lemur disease ecology: Linking health, ecosystem viability and conservation in Madagascar.” Duke Lemur Center. 30 January 2009.
- Barrett, MA.** “What is a lemur health evaluation?” *Talking Science*. 29 January 2009.
- Barrett, MA.** “Lemur disease ecology: Linking health, ecosystem viability and conservation in Madagascar.” *Duke University Center for International Studies*. 15 January 2009.
- Barrett, MA.** “Is that really what I think you’re doing? Mouse lemur health evaluations in the field.” *Duke Office of News and Communications*. 15 August 2008.
- Barrett, MA.** “Biofuels: Don’t bet the farm on corn-based fuels.” *The Herald-Sun*. 16 May 2008.
- Barrett, MA.** 2004. A new place to bird in Big Sur? *Audubon Society Sanderling* 62: 5.

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## P R E S E N T A T I O N S

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- Barrett, MA.** 2009. Lemur disease ecology: Linking health, ecosystem viability and conservation in Madagascar. Ecological Society of America Annual Conference. Albuquerque, NM.
- Barrett, MA.** 2009. Lemur disease ecology: Linking health, ecosystem viability and conservation in Madagascar. Ecology and Evolution of Infectious Diseases Conference. Athens, GA.
- Barrett, MA** and R. Junge. 2009. Lemur disease ecology: Linking health, ecosystem viability and conservation in Madagascar. Poster presentation at the American Museum of Natural History, Center for Biodiversity and Conservation Spring Symposium. New York, New York.
- Barrett, MA.** 2009. Lemur disease ecology: Linking health and conservation in Madagascar. New Hope Audubon Society. Durham, NC.
- Barrett, MA.** 2009. Opportunities for research collaboration at Betampona Strict Nature Reserve. St. Louis Zoological Park. St. Louis, MO.
- Barrett, MA,** et al. 2009. Science blogging from distant places: Why and how? Science Online Conference, Sigma Xi, Research Triangle Park, NC.
- Barrett, MA.** 2008. Lemur disease ecology: linking wildlife, human and ecosystem health in Madagascar. SIDG Seminar Series. Duke University, Durham, NC.
- Barrett, MA.** 2007. Lemur health evaluations in the field: implications for conservation. Duke Lemur Center Seminar Series, Duke University, Durham, NC.

**Barrett, MA**, Stoertz A, and Stoertz R. 2006. The bushmeat market in Equatorial Guinea: Evaluating drivers, consequences, and potential solutions. Exxon Mobil, Inc. Presentation for the Educational Training Program.

**Barrett, MA**. 2005. Biological monitoring of pelagic seabirds in the Aleutian Islands (Alaska Maritime National Wildlife Refuge. Fish and Wildlife Headquarters, Invited Lecture, Homer, AK.

**Barrett, MA**, Bishobibiri AB, and Catron J, 2003. Why do Tanganyikan gastropods have patchy distributions? Abundance, Diversity, and Species Distribution in relation to Abiotic and Biotic Parameters. University of Dar es Salaam, Tanzania.

## **P R O F E S S I O N A L   S E R V I C E**

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**One Health Intellectual Exchange Group**, NCSU, Duke, UNC, NC Biotechnology Center. January 2009 – present.  
**University Program in Ecology (UPE) Student-Faculty Advisory Committee**, Duke University, November 2006-present.  
**Sustainability and Safety Committee**, Duke University Biology Department, December 2008 – present.  
**UPE Seminar Executive committee**, Duke University, September 2006-present  
**International Association for Ecology and Health**. April 2009 – present.  
**Ecological Society of America**. March 2009-present.  
**Women in Science and Engineering**. Duke University Chapter. September 2006 – present.  
**Global Health Council**, Associate Professional Member, November 2007-present  
**Sigma Xi Scientific Society**, Duke University Chapter, October 2006-present  
**The Wildlife Society**, October 2006-present

## **S K I L L S   A N D   I N T E R E S T S**

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**Software:** ArcGIS, R, Maxent, PC-ORD, JMP, SPlus, Google Earth, Microsoft Office (incl. Access, Publisher, Powerpoint)  
**Languages:** Written and conversational Spanish, elementary French.  
**Policy:** DEL NEPA Implementation course  
**Wilderness First Responder**, Quito, Ecuador, 2002/Recertified 2005  
**PADI Advanced Open Water Diver**, Cairns, Australia, 1999/Recertified 2009. Special certifications: Search and Recovery, Night Diving, Deep Diving  
**Small Boat Handling Certification**, Department of the Interior, AK, May 2005  
**Snowmobiling Certification**, MN DNR, Grand Rapids, MN, January 2005  
**Interests:** Backpacking, biking, traveling, mountaineering, guitar, running, triathlons, scuba diving