

JENNIFER GUYTON

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EDUCATION

PRINCETON UNIVERSITY

MA, Ecology and Evolutionary Biology

May 2015

PhD, Ecology and Evolutionary Biology

Expected May 2018

UNIVERSITY OF CALIFORNIA, BERKELEY

BS with Highest Honors, Conservation and Resource Studies

May 2010

Emphasis on Communicating Conservation in a Developing World

GPA 3.95

GRANTS AND FELLOWSHIPS

NATIONAL SCIENCE FOUNDATION, Graduate Research Fellowship (2013-2018)

WOMEN IN CONSERVATION BIOLOGY RESEARCH AWARD, National Fish and Wildlife Foundation/Princeton University (2015)

FULBRIGHT SCHOLAR PROGRAM, U.S. Student Award to Mozambique (2015, declined)

NATIONAL GEOGRAPHIC, Young Explorers Grant (2014)

PRINCETON UNIVERSITY, Ecology and Evolutionary Biology First-Year Summer Research Grant (2014)

PUBLICATIONS

- Bonachela, JA, RM Pringle, E Sheffer, **JA Guyton**, TC Coverdale, KK Caylor, SA Levin, and CE Tarnita. 2015. Termite mounds can increase the robustness of dry ecosystems to climatic change. *Science* 347:651.
- **Guyton, JA** and CE Brook. 2015. African Bats: Conservation in the time of Ebola. *Therya* 6:1.
- **Guyton, JA**, I Tanshi, MK Keita, P Webala, and K Cameron. 2014. Statement on bats and Ebola. *Bat Conservation Africa*.

RELEVANT COURSEWORK

- International Rural Development Policy
- Human Ecology & the Environment
- Creative Nonfiction Writing
- Documentary Photography
- Conservation Biology
- Wildlife Ecology & Management
- Vertebrate Natural History
- Environmental Policy & Socioeconomic Values

PROFESSIONAL TRAINING

NATIONAL GEOGRAPHIC MEDIA BOOTCAMP

October 2015

National Geographic Headquarters, Washington, D.C.

- Received training in science communication: public speaking, photography, film, and writing

SAFE-CAPTURE INTERNATIONAL CHEMICAL IMMOBILIZATION OF WILDLIFE

November 2015

Newark, New Jersey

- Earned certification in capture and immobilization of large wildlife species for scientific research
- Trained with various types of dart projectors, including blank-powered, gas-powered, and blowgun

WILDLIFE MANAGEMENT FIELD SCHOOL

February-May 2008

School for Field Studies, Center for Wildlife Management Studies, Manyara, Tanzania

- Gained experience in techniques of wildlife management and conservation: quantitative methods; animal and plant identification; population, diversity, and habitat surveys; behavioral observations of birds and mammals
- Conducted field research on behavior and ecology of olive baboons, including foraging/ranging behavior and intraspecific/human-baboon interactions; this culminated in a publishable paper and presentation
- Examined socio-cultural/political influences in resource management via community surveys
- Developed potential solutions to conservation problems in Tarangire-Lake Manyara ecosystem

RELEVANT EXPERIENCE, SCIENCE AND CONSERVATION COMMUNICATION

COMMUNICATIONS MANAGER

October 2014-Present

Bat Conservation Africa

- Manage nascent organization's Twitter page and develop an overall communications strategy
- Edited and prepared organization's position statement on bats and the Ebola outbreak

FOUNDER, DEVELOPER AND CONSERVATION MEDIA PRODUCTION SPECIALIST**September 2015-Present***Jenguyton.com*

- Communicate science and inspire conservation with high-quality photo, video and blogging

RELEVANT EXPERIENCE, BIOLOGICAL AND ECOLOGICAL RESEARCH

TEAM LEADER FOR SMALL MAMMALS, Gorongosa Biodiversity Surveys**April 2013-Present***Gorongosa Restoration Project, Gorongosa National Park, Mozambique*

- Led the small mammal portion of the first and second annual month-long Gorongosa Biodiversity Surveys by formulating and implementing methods for sampling small terrestrial mammals and bats
- Prepared specimens for deposition and analysis at the Ditsong Museum of Natural History (South Africa)
- Collaborated with a team of international scientists to compile reports on Gorongosa's biodiversity

PROJECT MANAGER, Hippopotamus and River Community Ecology**March 2012-March 2013***University of California, Berkeley, Mpala Research Centre, Laikipia, Kenya*

- Managed field activities for long-term study on hippo ecology, including supervision of Kenyan assistants
- Designed and implemented various methodologies, including experimental enclosure construction, isotopic analysis, vegetation surveys, camera trapping, insect and fish surveys, river flow and water chemistry analysis
- Gave presentations to local schools and communities on conservation, ecology, and careers in science
- Maintained equipment and coordinated project logistics

RESEARCH INTERN, Meerkat Behavior**June 2010-June 2011***Kalahari Meerkat Project, Cambridge University, Northern Cape, South Africa*

- Collected and sorted behavioral data on semi-wild groups of meerkats using handheld computers and GIS
- Supervised groups of 3-6 Earthwatch volunteers of various nationalities as they conducted fieldwork
- Managed all life history data, compiled monthly reports, and communicated results to project staff and donors
- Assisted an Oxford Scientific/National Geographic film crew in producing a 3-D natural history documentary

RESEARCHER AND TEAM PHOTOGRAPHER, Baboon Behavior**September-October 2009***University of California, Berkeley, Drakensberg Mountains, South Africa*

- Pioneered study on behavior of previously unstudied troop of mountain chacma baboons in the Drakensberg
- Collaborated in producing report for provincial wildlife department, providing management recommendations
- Photographed baboons with limb anomalies to document locomotor and behavioral irregularities

GEOREFERENCING ASSISTANT, Biological Resurvey**January-July 2009***University of California Museum of Vertebrate Zoology, Grinnell Resurvey Project, Berkeley, CA*

- Examined 80-year-old journals and compared descriptions to maps and aerial photos to identify locations
- Developed efficient and organized digital method for locating and mapping potential survey sites

RESEARCH ASSISTANT, Protected Area Conservation in Ghana**February-July 2009***UC Berkeley Department of Environmental Science, Policy and Management, Berkeley, CA*

- Organized and entered raw data for dissertation project "Wildlife conservation and human-wildlife relationships around protected areas in Ghana, West Africa" for PhD candidate Cole Burton

RESEARCHER, Habitat Selection in Birds**February-April 2009***University of California, Berkeley, Department of Integrative Biology, Berkeley, CA*

- Designed and implemented semester-long research project entitled "Habitat Selection in California Birds: A case study of a native oak grove and an adjacent non-native eucalyptus grove" for natural history course
- Conducted point-counts and behavioral observations to ascertain species diversity, density and habitat use

WILDLIFE MANAGEMENT INTERN, Small Mammal Diversity**May-August 2008***United States Army Corps of Engineers, Perkinsville, VT*

- Conducted surveys on Army Corps land to detect sensitive species for land management decisions
 - Learned to handle small mammals while leading and performing species surveys using Sherman live-traps
 - Collaborated with other interns in executing amphibian-call, bat mist-net and bird point-count surveys
 - Designed, programmed and wrote a promotional webpage for recruitment of environmental volunteers
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TEACHING

2014: Ecology: Species Interactions, Biodiversity, and Society (EEB 321), Lab instructor, Princeton University
2013: Life on Earth: Chaos and Clockwork of Biological Design (EEB 211), Lab instructor, Princeton University

LECTURES AND WORKSHOPS GIVEN

- 2015 Gorongosa National Park Workshop Series: Bioinformatics**, Mozambique, Co-Instructor
Gorongosa National Park Workshop Series: Herpetology, Mozambique, Co-Instructor
Workshops for Mozambican undergraduate and graduate students
The Lost Mountain Initiative Conservation Symposium, Mozambique, Co-Organizer
A multi-disciplinary symposium for students from North America and southern African countries
Meet-and-Greet Career Lecture for 7th graders, Sproul Junior High School, Colorado Springs, Colorado
"Why I'm a Wildlife Biologist (and how you can be one too)"
- 2013 Daraja Girls' Secondary School Mentorship Day**, Mpala Research Center, Laikipia, Kenya
Hippo ecology and wetland science workshop for secondary school girls
Gorongosa Science and Media Workshop, Sun Valley, Idaho
"The functional role of Hippopotamus populations in wetland landscapes"
- 2012 Women in Conservation Lecture Series**, Daraja Girls' Secondary School, Laikipia, Kenya
"Multitasking in a Multifaceted World: How women can play multiple roles in their lives and careers"
Discovery Day (community outreach), Mpala Research Center, Laikipia, Kenya
"Straight from the Hippo's Mouth: An overview of hippo ecology and research"

PROFESSIONAL AFFILIATIONS AND STUDENT ORGANIZATIONS

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| AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE , Member | Dec 2014-2015 |
| PRINCETON GRADUATE STUDENT GOVERNMENT , Department Representative | Sept 2014- Sept 2015 |
| SOCIETY FOR CONSERVATION BIOLOGY , Secretary, <i>UC Berkeley chapter</i> | January-May 2009 |
| <ul style="list-style-type: none">Documented meeting minutes and communicated with organization members; organized events and field trips | |
| ROOTS AND SHOOTS , Jane Goodall Institute, Co-president, <i>UC Berkeley chapter</i> | January-May 2009 |
| <ul style="list-style-type: none">Collaborated in the organization and facilitation of meetings and volunteering events | |

SKILLS

COMPUTER SKILLS

- Adobe CS5, Premier and Lightroom; basic HTML, CSS, WordPress and other website design and development tools; iMovie; FinalCut Pro; camera trap image database management; adept at learning new software

LANGUAGES

- Conversational German, Spanish and Portuguese; basic French and Swahili; willingness to learn new languages

OTHER SKILLS AND CERTIFICATIONS

- Radio telemetry; CPR/First aid; advanced scuba; defensive and 4x4 driving; canoe training

ACTIVITIES AND INTERESTS

REVIEWER

- Landscape Ecology*

WRITER

- My personal and professional blog: www.jenguyton.com
- The Smaller Majority (thesmallermajority.com); 2014)
- Gorongosa National Park blog (2013-2014)
- Mpala Memos*, research center newsletter (2012-2013)
- The Triple Helix*, a science in society review; *Theory*, a UC Berkeley science review (2009)
- Editor, Quartz Hill *Ubiquity* newspaper (2005-2006)

VOLUNTEER

- Allversity; Mpala Primary School; ARKive/WildScreen; Roots and Shoots; Heal the Bay; Urban ReLeaf

OTHER INTERESTS

- Mountaineering; horseback riding; playing and officiating soccer and softball; painting and sketching
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