

# JENNIFER GUYTON

106A Guyot Hall, Princeton, NJ 08544

jguyton@princeton.edu

<http://www.jenguyton.com>

---

## 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
-

## 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 7<sup>th</sup> 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

---

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

## 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](http://www.jenguyton.com)
- The Smaller Majority ([thesmallermajority.com](http://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
-