

Elissa Krakauer, Ph.D.

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PROFESSIONAL APPOINTMENTS

Boston University, Boston, MA	Visiting Assistant Professor, Anthropology	2007-2008
Tufts University, Medford, MA	Visiting Instructor, Experimental College	2006

EDUCATION

Duke University, Durham, NC	Ph.D., Biological Anthropology and Anatomy	2005
Dissertation "Development of aye-aye foraging skills: independent exploration and social learning"		
Advisor: Dr. Carel van Schaik		
Brown University, Providence, RI	B.A., Biology	1997
School for International Training	Ecology and Conservation, Madagascar	1996

RESEARCH INTERESTS

Development of foraging skills; Social and independent learning mechanisms; Life history theory; Cross-species comparison of food sharing and novel food avoidance; Behavioral ecology; Conservation

GRANTS AND AWARDS

Sherwood L. Washburn student prize , American Assoc. of Physical Anthropology Conference	2005
R.L. Trivers Named Instructorship , Duke University	2004-2005
Designed and taught undergraduate course "Food in Anthropological Perspective"	
National Science Foundation Dissertation Improvement Grant	2003
Development of efficient foraging behavior in aye-ayes (PI: Carel van Schaik)	
Leakey Foundation General Research Grant	2003
Development of aye-aye foraging behavior: implications for life history evolution	
International Travel Award , Duke University	2003
The response of immature ruffed lemurs to novel food items	
Aleane Webb Research Fellowship , Duke University	2003
Development of aye-aye foraging behavior: the role of experience, size and social learning	
Sigma Xi Grant-in-Aid of Research	2002
The response of immature aye-ayes to novel foods	
National Science Foundation Graduate Fellowship Honorable Mention	2000
Graduate Fellowship, Duke University	1999-2004
Nominated to Science Honor Society , Brown University	1997

TEACHING EXPERIENCE

<u>Boston University</u> Instructor	<u>Course</u> Evolution of Human Diet (2007); Human Behavioral Bio & Evolution (2007) The Ape Within (2008); Human Reproductive Ecology (2008)
<u>Tufts University</u> Instructor	Food in Anthropological Perspective (2006)
<u>Duke University</u> Instructor	Food in Anthropological Perspective (2004) Primate Field Biology (2004)
Laboratory Instructor	Introduction to Physical Anthropology (2001)
Teaching Assistant (2000-2004)	Primate Field Biology, Primate Sexuality, Primate Ecology, Sociobiology, Introduction to Physical Anthropology Laboratory Preparation

STUDENTS SUPERVISED

<u>Duke University Primate Center, Durham, NC</u> Advised undergraduate student in an independent research project on lemur intelligence	2003-2004
Supervised undergraduate student assistants (n=2) in behavioral research projects	2003
Trained visiting international graduate student in behavioral research methods	2001

RESEARCH EXPERIENCE

Duke University Primate Center, Durham, NC The development of aye-aye (<i>Daubentonia madagascariensis</i>) foraging behavior Dissertation research under Dr. Carel van Schaik	2001-2005
Jersey Wildlife Conservation Trust, Jersey, Channel Islands, British Isles The development of ruffed lemur foraging behavior and novel food response Dissertation research under Dr. Carel van Schaik	2003
Beza-Mahafaly Special Reserve, Madagascar Socially-mediated factors affecting seasonal testicular function in <i>Propithecus verreauxi</i> Assisted Dr. Diane Brockman and Dr. Patricia Whitten	2000
Roger Williams Park Zoo, Providence, RI The development of social behaviors in saki monkeys (<i>Pithecia pithecia</i>) Senior thesis under Dr. Anne Savage	1996-1997
Beza-Mahafaly Special Reserve, Madagascar Foraging behavior of the sportive lemur (<i>Lepilemur leucopus</i>) Independent research project, School for International Training	1996
Chimpanzee and Human Communication Institute, Ellensburg, WA The effects of novel and familiar enrichment items on chimpanzee (<i>Pan troglodytes</i>) behavior Internship under Dr. Roger Fouts	1995

PUBLICATIONS

van Schaik, CP, Barrickman, N, Bastian, M, **Krakauer, E** and MA van Noordwijk (2006). Primate life histories and the role of brains. In *The Evolution of Human Life History*, Eds. K Hawkes and R Paine. Sar Press, Santa Fe, NM.

Buij, R, Singleton, I, **Krakauer, E** and CP van Schaik (2003). Rapid assessment of orangutan density. *Biological Conservation* 114(1): 103-113.

Krakauer, E, Lemelin, P and D Schmitt (2002). Hand and body position during locomotor behavior in the aye-aye (*Daubentonia madagascariensis*). *American Journal of Primatology*. 57(3): 105-118.

MANUSCRIPTS IN PREPARATION

Krakauer, E and CP van Schaik. Constraints on the development of aye-aye foraging skills: the role of size, experience, and neuromuscular control. *Am J Phys Anthro*. [complete manuscript]

Krakauer, E. Social and independent learning in the development of aye-aye tap-foraging skills. *Animal Behaviour*. [complete manuscript]

Krakauer, E. Socially-biased learning in aye-ayes and ruffed lemurs: a comparative study. *Evolutionary Psychology*. [complete manuscript]

Krakauer, E, M Krützen, & CP van Schaik. Vertical skill transmission: the mother of all culture. [in-prep manuscript]

Krakauer, E. All tapped out? Fourth finger use in healthy and amputee aye-ayes. [current data analysis]

Krakauer, E. Do aye-aye mothers teach their offspring tap-foraging skills? [current data analysis]

PRESENTATIONS AND PUBLISHED ABSTRACTS

Krakauer, E (2006). Social influence on the development of foraging in aye-ayes (*Daubentonia madagascariensis*) and ruffed lemurs (*Varecia variegata rubra*). American Association of Physical Anthropology Annual Meeting, Anchorage, Alaska (Abstract: *Am J Phys Anthro* Suppl. 42: 116).

Krakauer, E and CP van Schaik (2005). Skilled development in aye-ayes (*Daubentonia madagascariensis*): the foundation of culture. Social Learning Conference, St. Andrews, Scotland.

Krakauer, E and CP van Schaik (2005). Independent and social learning in the development of aye-aye tap-foraging. American Association of Physical Anthropology Annual Meeting, Milwaukee, Wisconsin (Abstract: *Am J Phys Anthro* Suppl. 40: 132-133). **Sherwood L. Washburn student prize** for best presentation.

Krakauer, E (2004). Development of foraging skills in the aye-aye (*Daubentonia madagascariensis*). American Association of Physical Anthropology Annual Meeting, Tampa, Florida (Abstract: *Am J Phys Anthro* Suppl. 38: 128).

Krakauer, E, Lemelin, P and D Schmitt (2001). Hand and body position during locomotor behavior in the aye-aye. American Association of Physical Anthropology Annual Meeting, Kansas City, Missouri (Abstract: *Am J Phys Anthro* Suppl. 32: 92-93).

PROFESSIONAL EXPERIENCE

Boston Museum of Science, Boston, MA	Education Coordinator	2007
Eastern Research Group, Inc., Lexington, MA	Environmental Scientist	2006-2007
Conservation and Research Center, Front Royal, VA	Research Technician	1999
Boston Children's Museum, Boston, MA	Science Educator	1997-1998

DEPARTMENTAL SERVICE

Led educational tours at the Duke University Primate Center, Durham, NC	2004
Co-organized Biological Anthropology and Anatomy Seminar Series, Duke University	2003-2005
Organized weekly Biological Anthropology and Anatomy seminars and discussions on behavior and ecology, Duke University	2001-2003

MEDIA INTEREST AND EDUCATIONAL MATERIALS

BBC Natural History Unit, UK Consultation for LIFE (a 10-part series on animal behavior)	August 2007-present
National Geographic Kids Online http://nationalgeographic.com/ngkids/0510/seevideo.html (aye-aye video)	October 2005
Science World Scholastic magazine, Vol. 62(4): 14-16 "Night Fright" (interview for aye-aye article)	October 24, 2005
The Durham Herald-Sun "Primate Concern: Aye-ayes at Duke May Shed Light on People"	Sunday, December 22, 2002