

Curriculum Vitae
Lucy Hamilton Spelman

Address

Rhode Island School of Design
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Education

Brown University, Biology, BA 1985
University of California Davis, DVM 1990
North Carolina State University, Post-doc Zoological Medicine 1994
American College Zoological Medicine, Board Certified, 1994

Professional Skills

Veterinarian, Educator, Media Consultant, Author, Public Speaker

Non-profit Boards

Member, Board of Directors, Foster Parrots, Ltd, Rhode Island,
December 2016—Present
Member and Chair, Board of Directors, Wildlife Rehabilitators
Association of RI March 2013—Present
Trustee and Secretary, Karanambu Trust, Guyana, South America
June 2009—Present

Employment

Current

Lecturer, Biology, and Science Assistant
Department of History, Philosophy and Social Sciences
Liberal Arts Division, Rhode Island School of Design
Providence, RI. Since Sep 2010

Exotics Specialist,
Ocean State Veterinary Specialists
East Greenwich, RI. Since Jan 2011

Consultant, National Geographic Children's Books
Washington DC. Various projects since Mar 2010

Employment

History

Visiting Assistant Professor, Brown University, Psychology Department
Providence, RI. Aug 2009—May 2010

Veterinarian, Wickford Veterinary Clinic
Wickford, RI. Aug 2009—Oct 2010

Field Manager, Mountain Gorilla Veterinary Project, Rwanda
Africa. Oct 2006—July 2009

Discovery Quest Scientist, Central Africa
Discovery Communications, Silver Spring MD Feb 2007—Jun 2009

Scientific Advisor, Discovery US Networks
Silver Spring, MD. Jun 2005—Sep 2006





Employment History (continued)

Director, National Zoological Park, Smithsonian Institution
Washington, DC. Jun 2000—Jan 2005

Veterinary Medical Officer, National Zoological Park
Washington, DC. May 1995—Sep 2000

Veterinary Resident (post-doc), North Carolina State University and
Zoological Park, Raleigh and Asheboro, NC. May 1991-1994

Veterinarian, Wickford Veterinary Clinic
Wickford, RI. Aug 1994—Apr 1995

Consulting Veterinarian, Wildlife Way Station
Los Angeles, CA. Jun 1990—May 1991

Intern Veterinarian, Small Animal Medicine, Dr. Steve Ettinger &
Associates Los Angeles CA, May 1990—May 1991

Additional Teaching Experience

Lecturer and Course Developer, Rhode Island Technology Enhanced
Science Program/NSF, RITES. Jan 2010—Sep 2013

Lecturer, Universidad Andrés Bello, Santiago, Chile, South America
Zoo and Wildlife Medicine Short Course, Aug 2009

Online Course Developer, Discovery Education, Jan-April 2006
Science Teacher Module, www.school.discovery.com/everest/

Online Course Developer and Instructor, Wildlife Rehabilitation Council
San Jose CA, Jan 2005—Sep 2006

Public Speaking

Public Speaker, June 2008--present

Recent Presentations

“Wildlife Rehabilitation in Rhode Island”
Rhode Island Vet Med Assoc CE Seminar, Newport, RI—Nov 2016

“Art Can Save a Panda”
Rocky Hills High School, East Greenwich, RI—March 2016
Redwood Library Spring Speaker Series—April 2016
Annual Conference, Assoc of Zoo and Wild Vets, Atlanta, GA—July 2016;

Additional Media Experience

Media Contact/Spokesperson for Mountain Gorilla Veterinary Project
(2006-2009); interviews with NPR, BBC, VOM

Media Contact/Spokesperson for the Smithsonian National Zoological
Park (2000—2004); interviews with NY Times, Washington Post, NPR,
BBC, ABC, NBC, CBS, People Magazine

Appearances in Television Documentaries
“Mountain Gorillas” for the BBC (2010)





"Corwin's Quest Realm of the Yeti" (2006) for Discovery Channel
"Kandula: An Elephant Story" (2004) for Discovery Channel
"A Panda is Born" (2005) for Animal Planet
"Meet the Pandas" (2004) for Animal Planet
"Total Zoo" 7-part series, 13 hours (1999-2000) for Animal Planet
"The Hidden Zoo" (1997) for Turner Broadcasting

Professional Memberships

American College of Zoological Medicine
American Association of Zoo Veterinarians
Association of Avian Veterinarians
Association of Reptile and Amphibian Veterinarians
American Veterinary Medical Association

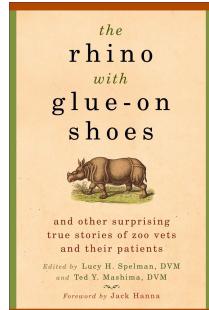
Teaching Grants at RISD

Collaborative Interdisciplinary Grant, Liberal Arts, Wintersession 2014
Exploring the Art and Science of Biodiversity in Guyana

Kyobo Fund, Spring 2011
Art of Communicating Science

Books

The Rhino with Glue-on Shoes
Bantam Dell, a Division of Random House, 2008



National Geographic Animal Encyclopedia
National Geographic/Random House, 2012



Magazine Articles

The Art and Science of Zoological Medicine,
ARCADE magazine, July 2013
<http://arcadenw.org/article/the-art-science-of-zoological-medicine>



Scientific Publications

Journal Articles

1. K. Gilardi, K. Oxford, D. Gardner-Roberts, J. Kinani, L. Spelman, P. Barry, M. Cranfield, L. Lowenstine. 2014. Human Herpes Simplex Virus Type 1 in a Confiscated Gorilla. Emerging Infectious Diseases, Vol 20(11): 1883-1886, November 2014.
http://wwwnc.cdc.gov/eid/article/20/11/14-0075_article
2. L. Spelman, K. Gilardi, M. Lukasik-Braum, J. Kinani, E. Nyirakaragire, L. Lowenstine, M. Cranfield. 2013. Respiratory Disease in Mountain Gorillas (*Gorilla beringei beringei*) in Rwanda, 1990-2010: Outbreaks, Clinical Course, and Medical Management. *J. Zoo. Wild. Med.* 44(4): 1027-1035.
3. G. Palacios, L. Lowenstine, M. Cranfield, K. Gilardi, L. Spelman, M. Lukasik-Braum, J. Kinani, A. Mudakikwa, E. Nyirakaragire, A. Bussetti, N. Savji, S. Hutchison, M. Egholm, W. Lipkin. 2011. Human metapneumovirus infection in wild mountain gorillas. *Emerging Infectious Diseases* Vol 17(4): 711-3, April 2011.
<http://www.cdc.gov/eid/content/17/4/711.htm>
4. M. Robbins, M. Gray, K. Fawcett, F. Nutter, P. Uwingeli, I. Mburanumwe, E. Kagoda A. Basabose, T. Stoinski, M. Cranfield, J. Byamukama, L. Spelman, A. Robbins. 2011. Extreme Conservation leads to Recovery of the Virunga Mountain Gorillas. *PLoS ONE* June 2011 6(6).
<http://www.plosone.org/article/info:doi%2F10.1371%2Fjournal.pone.0019788>
5. T. Smiley, L. Spelman, M. Lukasik-Braum, J. Mukherjee, G. Kaufman, D.E. Akiyoshi, M. Cranfield, Noninvasive saliva collection techniques for free-ranging mountain gorillas and captive eastern gorillas. 2010. *J. Zoo. Wild. Med.* 41(2): 201-9
6. Lukasik-Braum, M. and Spelman, L.H. 2008. Chimpanzee respiratory disease and visitation rules at Mahale and Gombe National Parks in Tanzania. *Am J Primatol.* 2008 May 20.
7. Spelman, L.H. and D. McTurk. 2005. Hand rearing and rehabilitation of orphaned wild giant otters, *Pteronura brasiliensis*, on the Rupununi River, Guyana, SA. *Zoo Biol* (24):153-167.
8. Sanchez, C.R., S. M. Murray, R.J. Montali, R.J., L.H. Spelman. 2004. Diagnosis and treatment of presumptive Pyleonephritis in an Asian elephant (*Elephas maximus*). *J. Zoo Wildl. Med.* 35(3): 397-99.
9. Spelman, L. H. 2004. Reversible anesthesia of captive California sea lions (*Zalophus californianus*) with medetomidine, midazolam, butorphanol, and isoflurane. *J. Zoo Wildl. Med.* 35(1): 65-69.
10. Ollivet-Courtois, F., A. Lecu, R. Yates, and L. H. Spelman. 2003. Treatment of a sole abscess in an Asian elephant (*Elephas maximus*) using regional digital intravenous perfusion. *J. Zoo Wildl. Med.* 34(3): 292-5.
11. Deem, S.L., L. H. Spelman, R. Yates, and R.J. Montali. 2000. Canine Distemper in Terrestrial Carnivores: A Review. *J. Zoo Wildl. Med.* 31(4): 441-451.

12. Tocidlowski, M.E., L. H. Spelman, P. Sumner, M. K. Stoskopf. 2000. Hematology and Serum Biochemistry Parameters of North American River Otters (*Lontra canadensis*). *J. Zoo Wildl. Med.* 31(4): 484-490.
13. Sherrill, J., L. H. Spelman, C.L. Reidel, R. J. Montali. 2000. Common Cuttlefish (*Sepia officinalis*) Mortality at the National Zoological Park: Implications for Clinical Management. *J. Zoo Wildl. Med.* 31(4): 523-531.
14. Spelman, L.H., W.J. Jochem, P.W. Sumner, D.P. Redmond, M.K. Stoskopf. 1997. Post anesthetic monitoring of core body temperature using telemetry in North American river otters (*Lutra canadensis*). *J. Zoo Wildl. Med.* 28(4): 413-417.
15. Spelman, L.H., P.W. Sumner, W.B. Karesh, M.K. Stoskopf. 1997. Tiletamine-zolazepam anesthesia in North American river otters (*Lutra canadensis*) and partial antagonism with flumazenil. *J. Zoo Wildl. Med.* 28(4): 418-423.
16. Stoskopf, M.K., L.H. Spelman, W.J. Jochem, P.W. Sumner, D.P. Redmond and J.F. Levine. 1997. The impact of water temperature on core body temperature of North American river otters (*Lutra canadensis*). *J. Zoo Wildl. Med.* 28(4): 413-417.
17. Beck, K., M.R. Loomis, G. Lewbart, L.H. Spelman, M. Papich. 1995. Preliminary comparison of plasma concentrations of gentamicin injected into the cranial and caudal limb musculature of the Eastern Box turtle. *J. Zoo Wildl. Med.* 26(2); 265-268.
18. Spelman, L.H., Fleming, W. J., Davis, G.S, Stoskopf, M.K. 1995. Effect of exogenous adrenocorticotrophic hormone administration on plasma corticosterone concentrations in America black ducks (*Anas rubripes*). *J Wild. Dis.* 31(2): 136-41.
19. Spelman, L.H., P.W. Summner, J.F. Levine, M.K. Stoskopf. 1994. Anesthesia of North American river otters (*Lutra canadensis*) with medetomidine-ketamine and reversal by atipamezole. *J. Zoo Wildl. Med.* 25(2):214-223.
20. Spelman, L.H., L.H. Khoo, M.R. Loomis. 1994. Case report: adenocarcinoma of the mandibular salivary gland in a crested barbet (*Trachyphonus vaillantii*). *J. Zoo Wildl. Med.* 25(3):455-460.
21. Appel, M.G., R.Y. Yates, G.L. Foley, J.J. Bernstein, S. Santinelli, L.H. Spelman, L.D. Miller, L.H. Arp, M. Anderson, M. Barr, S. Pearce-Kelling, B.A. Summers. 1994. Canine distemper epizootic in lions, tigers, and leopards in North America. *J. Vet. Diagn. Invest.* 6:277-288.
22. Roe, S.C., L.H. Spelman, G. Spodnick, and M.R. Loomis. 1994. Partial carpal arthrodesis in a warthog (*Phacochoerus aethiopicus*). *V.C.O.T.* 7:183-186.
23. Spelman, L.H., .P.W. Summner, J.F. Levine, M.K. Stoskopf. 1993. Field anesthesia in the North American river otter (*Lutra canadensis*). *J. Zoo Wildl. Med.* 24(1):19-27.
24. Spelman, L.H., K.G. Osborn, M.P. Anderson. 1989. The pathogenesis of hemosiderosis in lemurs: the role of dietary iron, tannin, and ascorbic acid. *J. Zoo Biol.* 8:239-251.



25. Spelman, L.H., Thompson, N.L., Fausto, N., Miller, K.R. 1986. A structural analysis of gap and tight junctions in the rat liver during a diet treatment that induces oval cell proliferation. *Am J Pathol.* 125(2): 379-92.

Textbook Chapters

1. Spelman, L.H., Janssen, D., Morris, P., Greenberg, M., Desheng, L., Mauroo, N. and Sutherland Smith, M. Medial Management of Captive Adult and Geriatric Giant Pandas (Ch 15). 2006. In: Wildt, D.E., Zhang, A., Zhang, H., Janssen, D.L., and Ellis, S (eds.). *Giant Pandas: Biology, Veterinary Medicine and Management*, Cambridge University Press.
2. Spelman, L.H. Medical Management of the Komodo Dragon (Ch 9). 2002. In: Murphy, J.B., Ciofi, C., LaPanouse, C. and Walsh T. (eds.). *Biology and Conservation of Komodo Dragons*, Smithsonian Institution Press.
3. Spelman, L.H. and Halverson, J. Sex Determination in the Komodo Dragon (Ch 4). 2002. In: Murphy, J.B., Ciofi, C., LaPanouse, C. and Walsh T. (eds.). *Biology and Conservation of Komodo Dragons*, Smithsonian Institution Press.
4. Spelman, L.H. Otter Anesthesia. 1998. In: Fowler, M.E., and E.R. Miller (eds.). *Zoo and Wild Animal Medicine, Current Therapy IV*, W.B. Saunders.
5. Spelman, L.H. Vermin Control. 1998. In: Fowler, M.E., and E.R. Miller (eds.). *Zoo and Wild Animal Medicine, Current Therapy IV*, W.B. Saunders.

