

Corinne Kendall, Ph.D.

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Current Positions

Curator of Conservation and Research 2018 – onward
Formerly Associate Curator of Conservation and Research 2014 – 2017
North Carolina Zoo

Manage international and field conservation programs, including vulture and giraffe research in Tanzania, education initiatives in Uganda, and use of SMART and other technology for improving anti-poaching efforts, and oversee all zoo-based research.

Adjunct Assistant Professor 2015 – onward
North Carolina State University

Work with interns and graduate students on wildlife conservation and zoo-based research projects. Guest lecture for several courses.

Previous Positions

Earth Expeditions Field Instructor 2012 – 2016
Miami University

Teach Masters of Teaching and Zoology students through field and online course in ecology.

Lecturer in Ecology, Evolution, and Environmental Biology 2012 – 2014
Columbia University

Teach and develop curriculum for Frontiers of Science, a core undergraduate course covering topics in biology, physics, and earth science.

Vulture Coordinator 2013 - 2014
Wildlife Conservation Society

Develop and implement conservation and research initiatives related to vultures, support field staff, and write grants.

Biodiversity Educator, Science Alliance 2013 - 2014
American Museum of Natural History

Develop curriculum for and teach after-school programs on biodiversity for 4th to 8th graders.

Teaching Fellow 2007-2008
Bronx Zoo

Develop curriculum for and teach programs about animals, adaptations, and conservation to K-12 students, families, and teachers.

Education:

Princeton University, Ph.D. in Ecology and Evolutionary Biology 2012

Thesis: Alternative Strategies in an Avian Scavenger Guild and their

- Conservation Implications
Completed Teaching Transcript Program
- Columbia University**, M.A. in Conservation Biology, GPA: 4.01 **2008**
Thesis: Understanding the ecological basis of human-hippopotamus conflict
Nominated for Best MA Thesis Award
- Cornell University**, B.Sc. in Biology **2006**
Graduated Magna Cum Laude with High Honors, GPA: 3.88
Thesis: Sprawling posture and locomotion: A look at how the earliest mammals might have moved
Semester abroad at University of Queensland, Brisbane, Australia

Publications/Fellowships/Grants

Book chapters

- Kendall, C. J., and R. A. Bergl. (2019). Evolving Approaches to Zoo-based Conservation in A. B. Kaufman, M. J. Bashaw, and T. L. Maple, editors. Scientific foundations of zoos and aquariums: Their role in conservation and research. Cambridge University Press, Cambridge: 45-63.
- Ivory, E., **Kendall, C.**, and Lichty, G. A Holistic Approach to Elephant Management: Integrating Health, Behavior, and Research in Morris, M, Segura, V., Forthman, D.L., and Maple, T.L. (Eds.). (2019). Wellness for Elephants. Red Leaf Press, 66-90.

Peer-reviewed Publications

- Pontzer, H., Rimbach, R., Paltan, J., Ivory, E. and **Kendall, C.** (2020). Air temperature and diet influence body composition and water turnover in zoo-living African elephants (*Loxodonta africana*). Royal Society Open Science 7: 201155.
<http://dx.doi.org/10.1098/rsos.201155>
- Kendall CJ, Leeds A, Tinka J, Lukas KE, Folta E. Teacher training as a means to sustained and multiplicative behavior change: An example using fuel-efficient stoves. Am J Primatol. 2020;e23193.
<https://doi.org/10.1002/ajp.23193>
- Lasky, M., Campbell, J., Osborne, J.A., Ivory, E.L., Lasky, J., and **Kendall, C.J.** Increasing browse and social complexity can improve zoo elephant welfare. *Zoo Biology* 2020: 1-11. <https://doi.org/10.1002/zoo.21575>
- Wood, J., Koutsos, E., **Kendall, C. J.**, Minter, L. J., Tollefson, T., Ivory, E., & Ange-van Heugten, K. (2020). Circulating nutrients and hematological parameters in managed African elephants (*Loxodonta Africana*) over a 1-year period. *Zoo Biology*, 1-10. doi:10.1002/zoo.21556
- Sebastián-González, Esther, Zebubsui Morales-Reyes, Francisco Botella, Lara Naves-Alegre, Juan Pérez-García, Patricia Mateo-Tomás, Pedro Olea, Marcos Moleón, Jomar Barbosa, Fernando Hiraldo, Eneko Arrondo, Jose A. Donazar, Ainara Cortes-Avizanda, Nuria Selva, Sergio Lambertucci, Aishwarya Bhattacharjee, Alexis Brewer, Erin Abernethy, Kelsey Turner, James Beasley, Travis DeVault, Hannah Gerke, Jr. Rhodes, Olin, Andres Ordiz, Camilla Wikenros, Barbara Zimmermann, Petter Wabakken, Christopher C. Wilmers, Justine Smith, **Corinne Kendall**, Darcy Ogada, Ethan Frehner, Max Allen, Heiko U. Wittmer, James

- Butler, Johan du Toit, Antoni Margalida, Pilar Oliva-Vidal, David Wilson, Klemen Jerina, Miha Krofel, Rich Kostecke, Richard Inger, Esra Per, Yunus Ayhan, Hasan Ulusoy, Doğanay Vural, Akino Inagaki, Shinsuke Koike, Arockianathan Samson, Paula Perrig, Emma Spencer, Thomas Newsome, Marco Heurich, José Anadón, Evan Buechley, and Jose Sanchez-Zapata. (2020). Network structure of vertebrate scavenger assemblages at the global scale: drivers and ecosystem functioning implications. *Ecography*. doi: 10.1111/ecog.05083.
- Wood, J. Koutsos, E., **Kendall, C.J.**, Minter, L.J., Tollefson, T., and Ange-van Heugten, K. (2019). Analyses of African Elephant (*Loxodonta africana*) Diet with Various Browse Inclusion Levels. *Zoo Biology*, 1-14.
- Sebastián-González, E., J. M. Barbosa, J. M. Pérez-García, Z. Morales-Reyes, F. Botella, P. P. Olea, P. Mateo-Tomás, M. Moleón, F. Hiraldo, E. Arrondo, J. A. Donázar, A. Cortés-Avizanda, N. Selva, S. A. Lambertucci, A. Bhattacharjee, A. Brewer, J. D. Anadón, E. Abernethy, O. E. Rhodes Jr, K. Turner, J. C. Beasley, T. L. DeVault, A. Ordiz, C. Wikenros, B. Zimmermann, P. Wabakken, C. C. Wilmers, J. A. Smith, **C. J. Kendall**, D. Ogada, E. R. Buechley, E. Frehner, M. L. Allen, H. U. Wittmer, J. R. A. Butler, J. T. du Toit, J. Read, D. Wilson, K. Jerina, M. Krofel, R. Kostecke, R. Inger, A. Samson, L. Naves-Alegre, and J. A. Sánchez-Zapata. (2019). Scavenging in the Anthropocene: Human impact drives vertebrate scavenger species richness at a global scale. *Global Change Biology*.
- Wilson, J. W., R. A. Bergl, L. J. Minter, M. R. Loomis, and **C. J. Kendall**. (2019). The African elephant *Loxodonta* spp conservation programmes of North Carolina Zoo: two decades of using emerging technologies to advance in situ conservation efforts. *International Zoo Yearbook* **53**:1-10.
- Kendall, C. J., Rubenstein, D. I., Slater, P. L., & Monadjem, A. (2018). An assessment of tree availability as a possible cause of population declines in scavenging raptors. *Journal of Avian Biology*, 49(1).
- Wiley J.N., Leeds A., Carpenter K.D., **Kendall C.J.**. (2018). Patterns of wounding in hamadryas baboons (*Papio hamadryas*) in North American zoos. *Zoo Biology*: 1–6. <https://doi.org/10.1002/zoo.21401>
- Lukas, K. E., Leeds, A., Slavin, M.A., Tinka, J., and **Kendall, C.J.**. (2017). Impact of teacher training in conservation education on student learning in primary schools adjacent to Kibale National Park, Uganda. *Oryx*:1-8.
- Leeds, A., Lukas, K., **Kendall, C. J.**, Slavin, M. A., Ross, E.A., Robbins, M. M., van Weeghel, D., Bergl, R. A. (2017). Evaluating the Effect of a Year-Long Film Focused Environmental Education Program on Ugandan Student Knowledge of and Attitudes Towards Great Apes. *American Journal of Primatology*. doi:10.1002/ajp.22673
- Smoliga, J. M., & **Kendall, C. J.** (2017). Inaccuracies: Axe science hype from social media. *Nature*, 542(7639), 31-31.
- Kane, A., & **Kendall, C. J.** (2017). Understanding how mammalian scavengers use information from avian scavengers: cue from above. *Journal of Animal Ecology*. doi:10.1111/1365-2656.12663
- Jallow, M., Barlow, C. R., Sanyang, L., Dibba, L., **Kendall, C.**, Bechard, M., & Bildstein, K. L. (2016). High population density of the Critically Endangered

- Hooded Vulture *Necrosyrtes monachus* in Western Region, The Gambia, confirmed by road surveys in 2013 and 2015. *Malimbus*, 38, 23-28.
- Riskin, D. K., **Kendall, C. J.**, & Hermanson, J. W. (2016). The crouching of the shrew: Mechanical consequences of limb posture in small mammals. *PeerJ*, 4, e2131.
- Kendall, C. J., M. Z. Virani, J. G. C. Hopcraft, K. L. Bildstein, and D. I. Rubenstein. (2014) African Vultures Don't Follow Migratory Herds: Scavenger Habitat Use Is Not Mediated by Prey Abundance. *PLoS ONE* 9, e83470.
- Kendall, C. J. (2014) The early bird gets the carcass: Temporal segregation and its effects on foraging success in avian scavengers. *Auk* 131, 12-19.
- Kendall, C. (2013) Alternative strategies in avian scavengers: how subordinate species foil the despotic distribution. *Behavioral Ecology and Sociobiology* 67, 383-393. doi:10.1007/s00265-012-1458-5
- Kendall C, Virani M, Kirui P, Thomsett S, Githiru M (2012) Mechanisms of coexistence in vultures: Understanding the patterns of vulture abundance at carcasses in Masai Mara National Reserve, Kenya. *Condor* 114, 523-531.
- Kendall, C., Virani, M. (2012) Assessing mortality of african vultures using wing tags and GSM-GPS transmitters. *Journal of Raptor Research* 46,135-140.
- Virani, M., Monadjem, A., Thomsett, S., & **Kendall, C.** (2012) Seasonal variation in breeding Ruppell's vultures (*Gyps rueppellii*) at Kwenia, southern Kenya with implications for conservation. *Bird Conservation International* 22, 260-269.
- Virani, M. Z., **Kendall, C.**, Njoroge, P. & Thomsett, S. (2011) Major declines in the abundance of vultures and other scavenging raptors in and around the Masai Mara ecosystem, Kenya. *Biological Conservation*, 144, 746-752.
- Kendall, C. J. (2011) The spatial and agricultural basis of crop raiding by the Vulnerable common hippopotamus *Hippopotamus amphibius* around Ruaha National Park, Tanzania. *Oryx*, 45, 28-34.

Presenter at multiple conferences and workshops including Society for Conservation Biology conference

Popular press

- Lukas, K., **Kendall, C.**, & Robbins, M. (2016). Bwindi Apes Conservation Education Partnership. *Gorilla Journal*, 52, 10.
- Kendall C (2012) Poison empties skies that once were full. *SWARA East African Wild Life Society*: 24-29.
- Kendall, C. (2012) Vultures' Plight. *Wildlife*.
- Kendall, C. J. (2010) A quest for survival: imperiled vultures of the Maasai Mara. *The Explorers Journal*, **88**, 34-37.
- Kendall, C. (2010) Did you know some birds send SMS messages? *SWARA East African Wild Life Society*, **2**, 46-49.

Research has been featured in Science magazine, New York Times, BBC News, National Geographic, Scientific American website and Audubon website.

Written blogs for North Carolina Zoo, Scientific American, and Peregrine Fund.

Fellowships

The Francis Boyer Fellowship in the Life Sciences	2010
The Charlotte and Morris Tanenbaum '52 Graduate Fellowship in the Physical or Life Sciences	2008
Foreign Language and Area Studies Fellowship (Swahili)	2008

Awards

Association of Zoos and Aquariums William G. Conway International Conservation Award Significant Achievement for Southern Tanzania Monitoring and Conservation Program	2020
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Grants

AZA SAFE grant (\$24,620)	2020
Save Giraffes Now (\$18,000)	2020
AZA Conservation Grant Fund (\$20,380, \$24,440)	2018, 2020
Leiden Conservation Fund (totaling \$70,000)	2016-2020
Women in Science and Dependent Care, National Geographic (\$2,400)	2019
Mohamed bin Zayed Species Conservation Fund (\$12,500)	2019
Dallas Zoo Conservation Grant (totaling \$17,300)	2017-2019
Ape TAG Conservation Fund (totaling \$55,420)	2014-2019
National Geographic Conservation Fund (\$20,000, \$29,400)	2016, 2018
Disney Conservation Fund (\$24,900)	2016
Taronga Zoo Conservation Fund (\$7,000)	2016

Reviewer, *Biological Conservation, Scientific Reports, Animal Conservation, Oryx, Journal of Applied Ecology, Behavioral Ecology and Sociobiology, Ecology and Evolution, Biodiversity and Conservation, Auk, Condor, Ecosphere, African Journal of Ecology, PlosOne, Wildlife Research, Journal of Raptor Research, Ostrich, African Journal of Wildlife Research, Cogent, Vulture News*

Grant Reviewer, Zoological Society of London's EDGE, St. Louis Zoo, AZA CGF, Explorer's Club, Conservation Leadership Program

Languages: English; conversational Swahili; conversational Spanish; limited Portuguese