

Drew T. Cronin, Ph.D.

CURRICULUM VITAE

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EDUCATION

2008 – 2013 Drexel University, Ph.D. in Environmental Science
2002 – 2006 Arcadia University, B.A. in Biology, Conservation Biology Concentration

PROFESSIONAL EXPERIENCE

2016 – Program Manager, SMART Partnership
2014 – 2016 Postdoctoral Research Fellow, Bioko Biodiversity Protection Program, Drexel University
2008 – 2016 Webmaster, Bioko Biodiversity Protection Program, Drexel University
2008 – 2013 Research & Logistics Associate, Bioko Biodiversity Protection Program, Drexel University
2007 – 2008 Resident Director – Equatorial Guinea, Arcadia University Center for Education Abroad

RESEARCH

PUBLICATIONS

- Cronin, D.T.**, P.R. Sesink Clee, M.W. Mitchell, D. Bocuma Meñe, D. Fernández, C. Riaco, M. Fero Meñe, J.M. Esara Echube, G.W. Hearn, M.K. Gonder. 2017. Conservation strategies for understanding and combating the bushmeat trade on Bioko Island, Equatorial Guinea. *American Journal of Primatology*: e22663. <https://doi.org/10.1002/ajp.22663>.
- Heritage, S., D. Fernández, H.M. Sallam, **D.T. Cronin**, J.M. Esara Echube, E.R. Seiffert. 2016. Ancient phylogenetic divergence of the enigmatic African rodent *Zenkerella* and the origin of anomalurid gliding. *PeerJ* 4:e2320; DOI 10.7717/peerj.2320. ([Link](#))
- Cronin, D.T.**, C. Riaco, J.M. Linder, R.A. Bergl, M.K. Gonder, M.P. O'Connor and G.W. Hearn. 2016. Impact of gun-hunting on monkey species and implications for primate conservation on Bioko Island, Equatorial Guinea. *Biological Conservation* 197: 180-189. ([Link](#))
- Hoffman, M., **D.T. Cronin**, G.W. Hearn, T.M. Butynski, E. Do Linh San. A review of evidence for the presence of Two-spotted Palm Civet *Nandinia binotata* and four other small carnivores on Bioko, Equatorial Guinea. *Small Carnivore Conservation* 52 & 53: 13-23. ([LINK](#))
- Cronin, D.T.**, S. Woloszynek, W.A. Morra, S. Honarvar, J.M. Linder, M.K. Gonder, M.P. O'Connor, G.W. Hearn. Long-term urban market dynamics reveal increased bushmeat carcass volume despite economic growth and proactive environmental legislation on Bioko Island, Equatorial Guinea. *PLoS ONE* 10(7): e0134464. doi:10.1371/journal.pone.0134464. ([LINK](#))

Cronin, D.T., M.B. Libalah, R.A. Bergl, G.W. Hearn. 2014. Biodiversity and conservation of tropical montane ecosystems in the Gulf of Guinea, West Africa. *Arctic, Antarctic, and Alpine Research* 46(4):891-904. ([LINK](#))

Cronin, D.T., J.R. Owens, H. Choi, S. Hromada, R. Malhotra, F. Roser, R.A. Bergl. 2014. Where has all our research gone? A 20-year assessment of the peer-reviewed wildlife conservation literature. *International Journal of Comparative Psychology*. 27 (1): 101-116. ([LINK](#))

Cronin, D.T., C. Riaco, G.W. Hearn. 2013. Survey of Threatened Monkeys in the Iladyi River Valley Region, Southeastern Bioko Island, Equatorial Guinea. *African Primates* 8: 1-8. ([LINK](#))

NON-PEER REVIEWED PUBLICATIONS

Cronin, D. T. 2015. Conservation in Equatorial Guinea. In: O. Scafidi. Bradt Guidebook to Equatorial Guinea. pp. 8-9. Bradt Travel Guides Ltd., UK.

Cronin, D.T., D. Bocuma Meñe, C. Perella, D. Fernández, G.W. Hearn, M.K. Gonder. 2015. The Future of the Biodiversity of the Gran Caldera Scientific Reserve: Translating Science into Policy to Develop an Effective Management Plan for the Gran Caldera Scientific Reserve. Report prepared for the Symposium on the Future of the Biodiversity of the Gran Caldera Scientific Reserve by the Bioko Biodiversity Protection Program, Drexel University, Philadelphia, Pennsylvania. 42 pages. ([LINK](#))

Cronin, D. T., G.W. Hearn, J.F. Oates. 2014. Bioko red colobus *Ptilocolobus pennantii pennantii* (Waterhouse, 1838). In: C. Schwitzer, R. A. Mittermeier, A. B. Rylands, L. A. Taylor, F. Chiozza, E. A. Williamson, J. Wallis and F. E. Clark (eds.), *Primates in Peril: The World's 25 Most Endangered Primates 2012-2014*, pp. 17-19. IUCN SSC Primate Specialist Group (PSG), International Primatological Society (IPS), Conservation International (CI), and Bristol Zoological Society, Arlington, VA. ([LINK](#))

Cronin, D.T., D. Bocuma Meñe, T.B. Butynski, J.M. Esara Echube, G.W. Hearn, S. Honarvar, J.R. Owens, C.P. Bohome. 2010. Opportunities Lost: The Rapidly Deteriorating Conservation Status of the Monkeys on Bioko Island, Equatorial Guinea (2010). A Report to the Government of Equatorial Guinea by the Bioko Biodiversity Protection Program, Drexel University, Philadelphia, Pennsylvania. ([LINK](#))

PUBLICATIONS IN PREPARATION

Cronin, D.T., P.R. Sesink Clee, J.R. Owens, D. Fernández, M. Grande Vega, C. Riaco, F. Rioso Etingue, D.M. Venditti, B.S. Featherstone, J. Gómez Soto, D.A. Ndong Bee, W.A. Morra, M. Fero Meñe, J.M. Esara Echube, M.P. O'Connor, J.E. Fa, G.W. Hearn, M.K. Gonder. Thirty years later: Reassessing the conservation status of Bioko's diurnal primates using a novel synthesis of population density estimates and habitat suitability modeling. (*In Revision*).

Forrest, D.L., F. Muatiche, M.K. Gonder, **D.T. Cronin**. Primate communities along a protected area border: the value of a long-term research site to primate conservation. (*In Revision*).

Castonguay, G., E. Reich, C. Perella, J.R. Owens, **D.T. Cronin**. Avian diversity in an agricultural matrix at Moka, Bioko Island, Equatorial Guinea. (*In Prep*).

* Undergraduate student coauthor

HONORS, AWARDS, AND SMALL GRANTS

- 2013** Drexel University College of Arts & Sciences (COAS) Research Day Award – 1st Place
2012 Drexel University International Travel Award (\$700)
2012 Drexel University Biology Department Travel Award (\$250)
2012 International Primatological Society Conservation Committee Grant (\$1,428)
2010 Primate Conservation, Inc. Research Grant (\$2,600)
2010 Honorable Mention, NSF Graduate Research Fellowship Program
2009 Drexel University International Travel Award (\$500)
2009 Drexel University College of Arts & Sciences (COAS) Research Day Award - 3rd Place
2006 Induction to Honor Society of Phi Beta Delta of Arcadia University

SELECTED PRESENTATIONS

- 2016** **Cronin, D.T.**, P.R. Sesink Clee, J. R. Owens, D. Fernández, M. Grande Vega, C. Riaco, M. Fero Meñe, J.M. Esara Echube, J.E. Fa, G.W. Hearn, M.K. Gonder. Updating the conservation status of Bioko’s diurnal primates using population density estimates and habitat suitability modeling. Invited Symposium presentation at the Joint Meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL. August 2016.

Featherstone, B., M.K. Gonder, J. Dordel, S. Miller, M. Mitchell, **D.T. Cronin**, P.R. Sesink Clee, D.M. Venditti. Preliminary study investigating the gut microbiome of two sympatric endemic primates, red colobus (*Procolobus pennantii*) and Bioko drill (*Mandrillus leucophaeus poensis*), on Bioko Island, Equatorial Guinea. Poster presentation at the Joint Meeting of the International Primatological Society and the American Society of Primatologists, Chicago, IL. August 2016.

Cronin, D.T. Ecological effects and impacts of elevational gradients on Bioko Island. Podium presentation at the Central African Biodiversity Alliance Partners in International Research and Education Symposium. Yaoundé, Cameroon. July 2016.

Cronin, D.T. Prioritizing Primates: Understanding and combating the bushmeat trade on Bioko Island. Invited seminar presentation at the Warner College of Natural Resources, Colorado State University, Fort Collins, CO. March 2016.

Cronin, D.T. Primates as umbrella taxa for biodiversity conservation on Bioko Island, Equatorial Guinea. Poster presentation at the American Association for the Advancement of Science (AAAS) 2016 Annual Meetings, Washington, D.C. February, 2016.

- 2015** **Cronin, D.T.**, P.R. Sesink Clee, D. Bocuma Meñe, G.W. Hearn, M.K. Gonder. Conservation strategies for understanding and combating the primate bushmeat trade on Bioko Island, Equatorial Guinea. Poster presentation at the 15th Congo Basin Forest Partnership Meeting of Partners, Yaoundé, Cameroon. June 2015.

Cronin, D.T. and D. Bocuma Meñe. Visión general del documento “El Futuro de la Reserva Científica de la Gran Caldera”. Podium presentation at the Symposium on the Future of the Biodiversity of the Gran Caldera Scientific Reserve, Malabo, Equatorial Guinea. June 2015.

Cronin, D.T. and Choueiri, T. El Futuro de la Reserva Científica de la Gran Caldera: Traduciendo la ciencia en la normativa para desarrollar un plan de manejo eficaz. Podium presentation at the 4th Annual Semana de Biodiversidad, Malabo, Equatorial Guinea.

- 2014** **Cronin, D.T.**, C. Riaco, D. Bocuma Meñe, P.R. Sesink Clee, G.W. Hearn. Impact of gun-hunting on monkey species and implications for primate conservation on Bioko Island, Equatorial Guinea. Invited symposium presentation at the XXV Congress of the International Primatological Society, Hanoi, Vietnam. *August 2014*.
- Cronin, D.T.** Primate Conservation on Bioko Island. Invited podium presentation at the Biennial Meeting of the International Primate Protection League, Summerville, SC. *April 2014*.
- 2013** **Cronin, D.T.**, C. Riaco, G.W. Hearn. Conservation monitoring on Bioko Island: Bridging the gaps between bushmeat market dynamics, primate populations, and wildlife patrols. Podium presentation at the XXVI International Congress for Conservation Biology, Baltimore, MD. *July 2013*.
- 2012** **Cronin, D.T.**, S. Woloszynek, W.A. Morra, S. Honarvar, J.M. Linder, M.P. O'Connor, G.W. Hearn. Emergent trends in an urban bushmeat market on Bioko Island, Equatorial Guinea. Podium presentation at the XXIV Congress of the International Primatological Society, Cancun, Mexico. *August 2012*.
- G.W. Hearn, **D.T. Cronin**, S. Honarvar, D. Bocuma Meñe. Conservation status of the Critically Endangered Pennant's Red Colobus (*Procolobus pennantii*) on Bioko Island, Equatorial Guinea. Podium presentation at the XXIV Congress of the International Primatological Society, Cancun, Mexico. *August 2012*.
- Cronin, D.T.**, M.B. Libalah, R.A. Bergl, G.W. Hearn. Conservation and management of tropical montane ecosystems in West Africa's Gulf of Guinea. Invited podium presentation at the Inaugural Tropical Mountain Conference "Vulnerable Islands in the Sky: science and management of tropical alpine & sub-alpine ecosystems," Waimea, HI. *August 2012*.
- 2010** **Cronin, D.T.**, W.A. Morra, R. Aguilar Biacho, G.W. Hearn. Bushmeat Hunting on Bioko Island, Equatorial Guinea. Poster presentation at the Student Conference on Conservation Science (SCCS-NY), New York City, NY. *October 2010*.
- Cronin, D.T.**, W.A. Morra, R. Aguilar Biacho, G.W. Hearn. Changing composition of the Malabo Bushmeat Market, Bioko Island, Equatorial Guinea. Poster presentation at the XXIII Congress of the International Primatological Society, Kyoto, Japan. *September 2010*.
- 2009** **Cronin, D.T.**, Hearn, G.W., Morra, W.A., Aguilar Biacho, R. Conservation status of monkeys on Bioko Island, Equatorial Guinea, one year following a Presidential Decree banning the hunting of primates. Poster presentation at the XXIII International Congress for Conservation Biology, Beijing, China. *July 2009*.
- Cronin, D.T.**, Hearn, Owens, J.R., Hearn, G.W. Conservation status of monkeys in the Gran Caldera de Luba, Bioko Island, Equatorial Guinea. Poster presentation at the 3rd International Symposium of Integrative Zoology held by International Society of Zoological Sciences (ISZS), Beijing, China. *July 2009*.
- 2008** **Cronin, D.T.** The Importance of International Education in an Increasingly Globalized World. Invited speaker at the 1st International Education Day Celebration, U.S. Embassy, Malabo, Bioko Island, Equatorial Guinea.

- 2006** **Cronin, D.T.** Evidence that different social groupings lead to stereotypic behaviors in Black and White Ruffed Lemurs (*Varecia variegata variegata*). 37th Arcadia University Biology Capstone Project Presentation, Glenside PA, USA. (Undergraduate Thesis)

* Presentation by undergraduate student

TEACHING

TEACHING APPOINTMENTS

Drexel University: Instructor of Record

- ENVS 343: Equatorial Guinea: Field Methods in Tropical Ecology (2013–2015)
- ENVS 344: Equatorial Guinea: Field Research in Tropical Ecology (2011–2015)

Drexel University: Graduate Student Instructor

- BIO 217: Evolution (2010–2012)
- BIO 224: Form, Function & Evolution of Vertebrates Recitation (2011–2012)
- BIO 225: Form, Function & Evolution of Vertebrates Laboratory (2012–2013)

WORKSHOPS

- **Training Ecoguards and the Next Generation of Conservation Leaders.** Professional development workshop at the Moka Wildlife Center, Moka, Bioko Island, Equatorial Guinea. March 2016.
- **Training Marine Turtle Night Patrols.** Professional development workshop at the Moka Wildlife Center, Moka, Bioko Island, Equatorial Guinea. March 2016.

GUEST LECTURES

- **Central African Biodiversity Alliance / Drexel University**
 - “Impacts of Bushmeat Hunting on Mammals in African Tropical Moist Forests” (Educational module presenting background and analysis work flow in R) for NSF sponsored professional development workshop at Congo Basin Institute (Yaoundé, Cameroon)
- **Central African Biodiversity Alliance / Drexel University**
 - “Field Notes, Field Journals, and Data Collection” for NSF sponsored undergraduate course at Higher Institute for Environmental Science (Yaoundé, Cameroon)
- **Drexel University**
 - ENVS 230: General Ecology
 - ENVS 438: Biodiversity & Conservation
- **Arcadia University**
 - EC 330: Natural Resource Economics
- **Point Pleasant Beach High School**
 - Advanced Placement Biology
 - General Biology
- **G. Harold Antrim Elementary School**
 - 5th Grade Students

TEACHING WORKSHOPS (ATTENDED)

- 2012** “Designing Engaging Classroom Activities”, Drexel University, Office of Graduate Studies
“Teaching across cultures”, Drexel University, Office of Graduate Studies
“Future opportunities in academia”, Drexel University, Office of Graduate Studies

UNDERGRADUATE STUDENT MENTORSHIP

- 2008 -2015** Christina Perella, Daniel Lipshutz, Raelyn Loftis, Halle Choi, Stephen Dench, Steven Hromada, Mackenzie Grapes, Joan Taddei, Kirsten Vannix, Carolyn Moy, Erica Henn, Olena Kolesnichenko, Stephen Woloszynek, Caty Harlan

ORGANIZATION AFFILIATION

- International Primatological Society (IPS)
- Society for Conservation Biology (SCB)
- African Primatological Society
- IUCN Species Survival Commission – Primate Specialist Group, Africa Section

LEADERSHIP & SERVICE

PROFESSIONAL ACTIVITIES

- 2016 – 2016** African Primatological Society – Steering Committee Member
IUCN Species Survival Commission – Primate Specialist Group: African Primate Red-Listing Workshop (*Rome, April 2016*)
- 2015** Early Career Scientist Panelist in “Ecosystem Services” panel organized by the Academic Consortium of the Congo Basin Forest Partnership (CBFP) at the 15th CBFP Meeting of Partners, Yaoundé, Cameroon.
- 2015** Co-organized BBPP / UNDP-GEF Equatorial Guinea Workshop – “Symposium on the Future of the Biodiversity of the Gran Caldera Scientific Reserve: Translating Science into Policy to Develop an Effective Management Plan for the Gran Caldera Scientific Reserve”
- 2013 – 2012 – 2011** IUCN Species Survival Commission – Primate Specialist Group, Africa Section
International Primatological Society (IPS) – Conservation Committee
UNDP-GEF Equatorial Guinea Workshop – “Strengthening the National System of protected areas in Equatorial Guinea for the effective conservation of representative ecosystems and globally significant biodiversity”

UNIVERSITY SERVICE

- 2015 – 2016** Doctoral Dissertation Committee, Demetrio Bocuma Meñe
Thesis: Assessing attitudes towards biodiversity conservation among citizens in Bioko Island, Equatorial Guinea and Cameroon
- 2012 – 2013** Ornithology Faculty Search Committee, Biodiversity, Earth & Environmental Science Department, Drexel University
- 2011 – 2013** Social Chair, Drexel University Biology Graduate Student Association
- 2008 –** Consultant, Drexel University Study Abroad, Bioko Island Study Abroad Program
- 2002 – 2006** Vice-President, Arcadia University Class of 2006

AD HOC JOURNAL REVIEWER

- African Journal of Ecology; African Primates; American Journal of Physical Anthropology, Ambio; Biological Conservation; Cuadernos de Investigación UNED; Primate Conservation, SAGE Open; Science Advances

GRANT COMMITTEES AND AD HOC GRANT REVIEWING

- International Primatological Society Conservation Committee: Conservation Grant, Galante Family Winery Conservation Scholarship, and Pre-Congress Training Program Scholarships
- *Ad Hoc* Referee: AZA Conservation Endowment Fund, Primate Conservation, Inc.

LANGUAGE SKILLS (ILR SCALE)

- **English** (5 – Native proficiency)
- **Spanish** (3 – Professional working proficiency)
- **French** (1 – Elementary proficiency)
- **West African Creole** (1 – Elementary proficiency)

MEDIA EXPERIENCE

RADIO INTERVIEW

Recorded interview for “Last animals, lasting solutions: Lions, the last animals, and conservation strategies” on “It’s Hot in Here” for WCBN-FM Ann Arbor (University of Michigan's School of Natural Resources and Environment), 24 January 2016. ([Link](#))

Recorded interview for “Monkeys of Bioko Island” by Lindsay Mackenzie. Aired on “The Current with Anna Marie Tremonti” for Canadian Broadcast Corporation, 19 March 2013. ([Link](#)).

PRINT MEDIA

Cronin, D. T. 2015. Conservation in Equatorial Guinea. In: O. Scafidi. Bradt Guidebook to Equatorial Guinea. pp. 8-9. Bradt Travel Guides Ltd., UK.

Cronin, D.T. "A Successful US-EG Collaboration to Protect Bioko’s Wildlife." EG Vistas August 2014: 20-25.