

## Margaret C. Crofoot

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## Education

- 2008 Ph.D. HARVARD UNIVERSITY, Cambridge, MA  
*Department of Anthropology*  
Dissertation: Intergroup competition in white-faced capuchin monkeys  
Committee: Richard Wrangham (*advisor*), Paul Moorcroft, Mark Leighton,  
& Cheryl Knott
- 2003 A.M. HARVARD UNIVERSITY, Cambridge, MA  
*Department of Anthropology*
- 2001 B.A. STANFORD UNIVERSITY, Palo Alto, CA  
*Program in Human Biology*, with honors  
Thesis: Reproductive assessment of the great hornbill (*Buceros bicornis*) by  
fecal hormone analysis  
Thesis advisors: Robert Sapolsky, Anne Maggioncalda & Nancy Czekala

## Professional Appointments

- Assistant Professor UNIVERSITY OF CALIFORNIA, DAVIS  
(2013-present) *Department of Anthropology*
- Board of Directors ICARUS Initiative  
(2013-present)
- Research Associate SMITHSONIAN TROPICAL RESEARCH INSTITUTE, Panama  
(2010-present)
- Post-doctoral Fellow SMITHSONIAN TROPICAL RESEARCH INSTITUTE, Panama  
(2008-2013)
- Post-doctoral Fellow MAX PLANCK INSTITUTE FOR ORNITHOLOGY, Germany  
(2008-2013) *Department of Migration and Immuno-ecology*
- Lecturer PRINCETON UNIVERSITY  
(2008-2011) *Department of Ecology and Evolutionary Biology*
- Director Automated Radio Telemetry System Initiative  
(2008-2011)

## **Grants and Fellowships**

- 2014     "Brain Evolution in the Context of Efficient Resource Extraction"—*NSF-BCS*  
          "An Experimental Framework for Studying Collective Decisions in Wild Animal Groups."  
          *UC Davis Academic Senate, New Research Initiatives Research Grants*
- 2013     "Exploring the Jungle in the Back Yard"—*Wenner-Gren Foundation for Anthropological Research, Engaged Anthropology Grant*
- 2012     "Developing Dynamic Network-Based Movement Models"—*NSF-DIOS*
- 2011     Grand Challenges Grant (co-investigator)—*Smithsonian Institute*
- 2010     Post-Ph.D. Research Grant—*Wenner-Gren Foundation for Anthropological Research*  
          Smithsonian Fellows Travel Grant—*Smithsonian Tropical Research Institute*
- 2008     5-year Post-Doctoral Fellowship—*Smithsonian Tropical Research Institute & Max Planck Institute for Ornithology*
- 2007     Dissertation Completion Fellowship—*GSAS, Harvard University*
- 2005     Supplemental Fellowship—*Smithsonian Tropical Research Institute*
- 2004     Frederick Sheldon Traveling Fellowship—*Harvard University*  
          Grant-in-Aid of Research—*Sigma Xi*  
          Research Grant—*American Society of Primatologists*  
          Short-term Fellowship—*Smithsonian Tropical Research Institute*
- 2002     Graduate Research Fellowship—*National Science Foundation*  
          Student Travel Grant—*Explorer's Club*  
          Lorraine P. Jenkins Memorial Award—*Orangutan Foundation International*  
          Summer Research Grant—*Department of Anthropology, Harvard University*
- 2001     Dissertation Fellowship—*Harvard University*  
          Summer Research Grant—*Department of Anthropology, Harvard University*
- 2000     Jewell H. and James T. Bonner Fellowship—*Center for the Reproduction of Endangered Species, San Diego Zoo*

## **Honors and Awards**

- 2007     Allee Award (runner-up)—*Animal Behavior Society*  
          Certificate for excellence in teaching—*Derek Bok Center, Harvard University*
- 2001     Departmental Honors—*Human Biology, Stanford University*  
          Phi Beta Kappa—*Stanford University*

## **Service**

- 2013-present     Evolutionary Anthropology Colloquium Committee
- 2014     Executive Committee, Institute for Social Sciences
- 2014     Animal Behavior Graduate Group Executive Committee, Member at Large

## Publications (\* indicates student or post-doctoral advisee)

### Articles

- Kays, R., **Crofoot, M.C.**, Jetz, W., Wikelski, M. (*Accepted*) Terrestrial animal tracking as an eye on life and the planet. *Science*.
- Strandburg-Peshkin, A., Farine, D.\*., Couzin, I., **Crofoot, M.C.** (*Accepted*) Shared decision-making drives collective movement in wild baboons. *Science*.
- Li, J., Brugere, I., Ziebart, B., Berger-Wolf, T., **Crofoot, M.**, Farine, D.\* 2014. Social Information Improves Location Prediction in the Wild. Proceedings of the 15<sup>th</sup> International Workshop on Trajectory-based Behaviour Analytics (TrBA'15).
- Pasquaretta, C., Levé, M., Claidière, N., van de Waal, E., Whiten, A., MacIntosh, A.J.J., Pelé, M., Bergstrom, M.L., Borgeaud, C., Brosnan, S. F., **Crofoot, M.C.**, Fedigan, L.M., Fichtel, C., Hopper, L.M., Mareno, M. C, Petit, O., Schnoell, A.V., Polizzi di Sorrentino, E., Thierry, B., Tiddi, B., Sueur, C. *Accepted*. Social networks in primates: smart and tolerant species have more efficient networks. *Nature Scientific Reports*.
- Li, Z., Ding, B., Wu, F., Lei, T. K. H., Kays, R., **Crofoot, M.C.** 2013. Attraction and Avoidance Detection From Movements. *Proceedings of the Very Large Database Endowment*. 7(3).
- Herrera, L.L.T.\*., **Crofoot, M.C.** 2013. Los monos cariblancos *Cebus capucinus*: ¿ por qué usan poco las zonas compartidas de sus áreas de acción? *Canto Rodado: Revista especializada en patrimonio*. 8: 169-177.
- Li, Z., Wu, F., **Crofoot, M.C.** 2013. Mining Following Relationships from Movement Data. *Proceedings of the IEEE International Conference on Data Mining*.
- Mejia, L.A.\*., Díaz, O.L.M., Sánchez-Palomino, P., Caillaud, D., **Crofoot, M.C.** 2013. Spatio-temporal interactions among three neighboring groups of free-ranging White-footed tamarins (*Saguinus leucopus*) in Colombia. *International Journal of Primatology*. 34(6): 1281-1297.
- Crofoot, M.C.** 2013. The Cost of Defeat: Capuchins groups travel further, faster and later after losing conflicts with neighbors. *American Journal of Physical Anthropology*. 152(1): 79-85.
- Crofoot, M.C.** 2012. Why mob? Reassessing the costs and benefits of primate predator harassment. *Folia Primatologica*. 83(3-6):252–273.
- Crofoot, M.C.** and Gilby, I.C. 2012. Cheating monkeys undermine group strength in enemy territory. *Proceedings of the National Academy of Sciences*. 109(2): 501-505.
- Tórrez, L.\*., Robles, N.\*., González, A.\*., and **Crofoot, M.C.** 2012. Risky business? Lethal attack by a jaguar sheds light on the costs of capuchin predator mobbing. *International Journal of Primatology*. 33(2): 440-446. DOI: 10.1007/s10764-012-9588-1
- Boyer, D., **Crofoot, M.C.**, Walsh, P.D. 2012. Nonrandom walks in monkeys and humans. *Journal of the Royal Society Interface*. DOI: 10.1098/rsif.2011.0582
- Kays, R., Tilak, S., **Crofoot, M.C.**, Fountain, T., Obando, D., Ortega, A., Kuemmeth, F., Mandel, J.,

- Swenson, G., Lambert, T., Hirsch, T., Wikelski, M. 2011. Tracking animal location and activity with an Automated Radio Telemetry System in a tropical rainforest. *The Computer Journal*.
- Crofoot, M. C.**, Rubenstein, D. I., Maiya, A. S., Berger-Wolf, T. Y. 2011. Aggression, grooming and group-level cooperation in white-faced capuchin monkeys (*Cebus capucinus*): Insights from Social Networks. *American Journal of Primatology*, 73(8): 821-833.
- Caillaud, D., **Crofoot, M. C.**, Scarpino, S. V., Jansen, P., Garzon-Lopez, C. X., Winkelhagen, A., Bohlman, S. A., Walsh, P. D. 2010. Modeling the spatial distribution and fruiting pattern of a key tree species in a neotropical forest: methodology and potential applications. *PLoS ONE*, 5 (11): e15002.
- Walsh, P.D., Boyer, D., and **Crofoot, M.C.** 2010. Monkey and cell-phone-user mobilities scale similarly. *Nature Physics*, 6(12): 928-930.
- Crofoot, M. C.**, Lambert, T. D., Kays, R., and Wikelski, M. C. 2010. Does watching a monkey change its behavior? Quantifying observer effects in habituated wild primates using automated radio telemetry. *Animal Behaviour*, 80: 475-480.
- Crofoot M. C.**, Norton T. M., Lessnau R. G., Viner T. C., Chen T. C., Mazzaro L. M., Yabsley M. J. 2009. Field anesthesia and health assessment of free ranging white faced capuchin monkeys (*Cebus capucinus*) in Panama. *International Journal of Primatology*, 30: 125-141.
- Crofoot, M. C.**, Gilby, I. C., Wikelski, M. C., Kays, R. W. 2008. Interaction location outweighs the competitive advantage of numerical superiority in *Cebus capucinus* intergroup contests. *Proceedings of the National Academy of Sciences*, 105(2): 577-581.
- Crofoot, M. C.** 2007. Mating and feeding competition in white-faced capuchin monkeys (*Cebus capucinus*): The importance of short- and long-term strategies. *Behaviour*, 144: 1473-1495.
- Wrangham, R. W., **Crofoot, M. C.**, Lundy, R., and Gilby, I. 2007. Use of overlap zones among group-living primates: a test of the risk hypothesis. *Behaviour*, 144: 1599-1619.
- Crofoot, M.C.**, Mace, M., Azua, J., MacDonald, E., and Czekala, N.M. 2003. Reproductive assessment of the great hornbill (*Buceros bicornis*) by fecal hormone analysis. *Zoo Biology*, 22(2): 135-145.

### *Book Chapters*

- Brown, M. and **Crofoot, M. C.** 2013. Intergroup interactions: within and between species. 2013 Primate Ecology and Conservation. E. Sterling, N. Bynum and M. Blair, Eds. Oxford University Press. p. 151-175.
- Campbell, C. J., **Crofoot, M. C.**, McKinnon, K. C. and Stumpf, R. 2011. Behavioral data collection in primate field studies. In *Primates in Perspective*. C. J. Campbell, A. Fuentes, K. C. MacKinnon, M. Panger, S. K. Bearder, Eds. Oxford University Press.
- Crofoot, M. C.** and Wrangham, R. W. 2010. Intergroup aggression in primates and humans: the case for a unified theory. In Minding the Gap: Tracing the Origins of Human Universals. P. Kappeler and J. Silk, Eds. Springer-Verlag.

## Conference Presentations

**Crofoot, M.C.**, Strandburg-Peshkin, A., Farine, D.R.\* Simultaneous tracking of wild baboons reveals individual and social drivers of troop organization. 84<sup>th</sup> Annual Meeting of the American Association of Physical Anthropologists. St. Louis, MO

Strandburg-Peshkin, A., Farine, D.R., Couzin, I. D., **Crofoot, M.C.** Leadership and collective motion in Anubis baboons using high-resolution GPS tracking. 51<sup>st</sup> Meeting of the Animal Behaviour Society, Princeton, NJ. 2014.

**Crofoot, M.C.**, Farine, D.R., Strandburg-Peshkin, A., Brugere, I., Li, J., Berger-Wolf, T. Y. Collective movement in socially and environmentally heterogeneous systems: A case study in olive baboons. 51<sup>st</sup> Meeting of the Animal Behaviour Society, Princeton, NJ. 2014.

Farine, D.R., Strandburg-Peshkin, A., Brugere, I., Li, J., Berger-Wolf, T. Y., **Crofoot, M.C.** Self-organisation in a dynamic network of wild Anubis baboons. 15<sup>th</sup> International Behavioral Ecology Congress, New York, NY. 2014.

**Crofoot, M.C.**, Kays, R., Alavi, S. Wikelski, M. Democracy or despotism? How do baboons decide? 83<sup>rd</sup> Meeting of the American Association of Physical Anthropologists, Calgary, CA. 2014.

**Crofoot, M.C.** La violencia inimaginable y el altruismo extraordinario: Buscando los orígenes de la cooperación humana. Congreso de Antropología Panameña, Panama City, Panama. 2013.

**Crofoot, M.C.**, Wright, S.J., and Giacalone, J. Cold, wet and hungry? Fluctuations in frugivore populations in response to extreme climactic events. 81<sup>st</sup> Meeting of the American Association of Physical Anthropologists, Portland, OR. 2012.

Caillaud, D., **Crofoot, M.C.**, Lewis, R.J., Scarpino, S.V., and Meyers, L.A. Spatio-temporal distribution of food resources and group-level memory shape inter-group contact patterns in white-faced capuchins (*Cebus capucinus*) and Verreaux's sifaka (*Propithecus v. verreauxi*). 81<sup>st</sup> Meeting of the American Association of Physical Anthropologists, Portland, OR. 2012.

**Crofoot, M.C.**, and Gilby, I. C. Variability in the realized resource holding potential of capuchin social groups levels the balance-of-power between unevenly matched neighbors. 80<sup>th</sup> Meeting of the American Association of Physical Anthropologists, Minneapolis. 2011.

**Crofoot, M.C.**, and Janson, C. H. (*Symposium Organizers*) From random walks to travel routes: Understanding patterns of primate movement and space-use. 23<sup>rd</sup> Congress of the International Primatological Society, Kyoto, Japan.

**Crofoot, M. C.** No need for violence: Memory-based foraging and conspecific resource depletion can explain primate "war zones." 23<sup>rd</sup> Congress of the International Primatological Society, Kyoto, Japan. 2010.

**Crofoot, M. C. (Invited speaker)** Remote monitoring of movement and behavior: New technology and research directions. 23<sup>rd</sup> Congress of the International Primatological Society, Kyoto, Japan. 2010

**Crofoot, M. C.**, Caillaud, D., Salvador, L., Scarpino, S., Ryan, S. J., Boyer, D., Walsh, P. W. No need for violence: episodic memory and scramble competition can explain primate war zones. 79<sup>th</sup> Meeting of the American Association of Physical Anthropologists, Albuquerque. 2010.

**Crofoot, M. C.** The home-field advantage: the relative importance of location and group-size in capuchin intergroup competition. 44<sup>th</sup> Meeting of the Animal Behaviour Society, Burlington, VT. 2007. **Runner-up for the Allee Award recognizing the best student paper.**

**Crofoot, M. C.** Dominance and inter-group relationships: Do group identity, group size and interaction location affect the outcome of between-group contest competition in *Cebus capucinus*? 76<sup>th</sup> Meeting of the American Association of Physical Anthropologists, Philadelphia. 2007. *American Journal of Physical Anthropology*. 44 (S1).

**Crofoot, M. C. (Invited Participant)** The effect of resource abundance and distribution on rates of intergroup competition in white-faced capuchin monkeys (*Cebus capucinus*) on Barro Colorado Island, Panama. 21<sup>st</sup> Congress of the International Primatological Society, Entebbe, Uganda. 2006. *International Journal of Primatology* 27 (S1).

**Crofoot, M. C.** Differences in the diet composition of white-faced monkeys (*Cebus capucinus*) on Barro Colorado Island, Panama: Causes and Consequences. 21st Congress of the International Primatological Society, Entebbe, Uganda. 2006. *International Journal of Primatology* 27 (S1).

Wrangham, R. W., **Crofoot, M. C.**, Lundy, R., Wilson, M. Effects of the nature of intergroup aggression on the use of buffer zones in territorial primates. 21st Congress of the International Primatological Society, Entebbe, Uganda. 2006. *International Journal of Primatology* 27 (S1).

## Invited Talks and Guest Lectures

2015	Ecology & Evolution Seminar Series, UC Davis Center for Behavior, Evolution and Culture, UCLA Keynote; 2015 Biennial Regional Animal Behavior Student Conference, UC Davis California Workshop on Evolutionary Social Science
2014	Environmental Sciences Graduate Group, The Ohio State University Animal Behavior Graduate Group, University of California, Davis Integrative Biology Seminar Series, University of California, Berkeley Evolution of Social Complexity Colloquium, Arizona State University
2013	Tupper Seminar, Smithsonian Tropical Research Institute, Panama UC Davis Anthropology Club Max Planck Institute for Dynamic and Self-Organizing Systems, Göttingen, Germany University of Neuchatal, Neuchatal, Switzerland Max Planck Institute for Ornithology, MaxCine PublicLectures, Radolfzell, Germany “Obstacles and Catalysts to Peaceful Behavior” Lorentz Center, Leiden University UIC Behavioral Ecology Group Lab Talk, Chicago, IL, USA
2012	Gamboa Science Seminar, Smithsonian Tropical Research Institute Center for Ecology and Conservation, University of Exeter Department of Evolutionary Anthropology, Duke University Department of Anthropology, University of California, Davis PEW Scholar and Fellows in the Biomedical Sciences Annual Meeting

2011	Centennial Lecture, Smithsonian Tropical Research Institute Guest Instructor for the Smithsonian Tropical Research Institute Gamboa Field Course UIC Behavioral Ecology Group Lab Talk Barro Colorado Island/Smithsonian Tropical Research Institute Seminar
2010	Public Science Seminar, Smithsonian Tropical Research Institute Smithsonian Tropical Research Institute Fellows Symposium Automated Radio Telemetry Symposium School for International Training, Biodiversity in the Tropics Field Course Continuing Education Program for Nature Guides, STRI
2009	EcoLunch Seminar, National Center for Ecological Analysis and Synthesis Detroit Zoological Society Invited Lecture University of Wisconsin, Green Bay Panama Field Course Guest Instructor for the Smithsonian Tropical Research Institute Gamboa Field Course
2008	Barro Colorado Island/Smithsonian Tropical Research Institute Seminar
2006	SUNY, Stony Brook Behavioral Ecology Seminar Guest Lecture for <i>Primate Nutritional Ecology</i> , Harvard University
2005	Smithsonian Tropical Research Institute Science Seminar Guest Lecture for <i>Tropical Vertebrate Ecology</i> , Princeton University Semester in Panama School for International Training, Biodiversity in the Tropics Field Course Organization for Tropical Studies, Tropical Field Course
2004	Université de Montreal, Tropical Ecology undergraduate field course Organization for Tropical Studies, Graduate field course

## Teaching Experience

2015	Instructor of Record, <i>Primate Sociobiology</i> , (ANT 254)
2014-15	Instructor of Record, <i>Primate Behavior and Ecology</i> (Ant 154C/CL) Dept. of Anthropology, University of California, Davis
2013-15	Instructor of Record, <i>Behavioral and Evolutionary Biology of the Human Life Cycle</i> (Ant 15) Dept. of Anthropology, University of California, Davis
2011	Instructor of Record, <i>Tropical Vertebrate Ecology</i> Dept. of Ecology and Evolutionary Biology, Princeton University
2009-10	Lecturer, <i>Tropical Vertebrate Ecology</i> Dept. of Ecology and Evolutionary Biology, Princeton University Co-taught with M. Wikelski.
2007-8	Teaching Fellow, <i>Human Evolution</i> , Dept. of Anthropology, Harvard University. <b>Awarded Certificate for Excellence in Teaching.</b>

- 2006 Teaching Fellow, *Why be nice? The biological basis of cooperation and conflict.*  
Harvard University Extension School
- 2004 Teaching Fellow, *Primate Behavior*  
Dept. of Anthropology, Harvard University

## Students and Interns

- 2014 Nohely Fossatti (STRI Internship Program)  
*Learning methods for conducting field primatology research.*
- 2013 Macarena Arias (B.A. student, Harvard University; STRI Internship Program)  
*Learning methods for conducting field primatology research.*
- 2012 Shauhin Alavi (STRI Internship Program)  
*Assisting on a project investigating collective group decision making in baboons.*
- 2011-12 Lilian Alba Mejia (Masters student, Universidad Nacional de Colombia)  
*Visiting my laboratory from January, 2011-May, 2013 to learn new techniques for analyzing animal movement and space-use data.*
- 2010 Horibiades Arroyo (STRI Internship Program)  
*High-school intern learning basic methods in field biology and ecology.*
- 2010 Matt McElroy (STRI Short-term Fellow)  
*Conducted a project on substrate matching and predation in Rhinella margarifera.*
- 2009-2011 Lucia Torrez (STRI Internship Program)  
*Assisted with my post-doctoral research on cooperation and intergroup conflict in white-faced capuchin monkeys. First author of a paper which has been submitted to the journal International Journal of Primatology.*
- 2009-2010 Nena Robles (STRI Internship Program)  
*Conducted field research on differences in capuchin vocalization patterns in shared vs. unshared areas of their home ranges. Won a scholarship from the Government of Italy, and is currently pursuing a M.S. in biomedical research in Torino, Italy.*
- 2009-2010 Anyuri Gonzalez (STRI Internship Program & University of Panama thesis student)  
*Conducted research for her undergraduate thesis in my lab.*
- 2009 Justine Li (Undergraduate honors thesis student, Princeton University)  
*Conducted her field research for her undergraduate honors thesis titled "Social Network Analysis in Cebus capucinus" on BCI, under my supervision.*
- 2004-2005 Vilma Fernandez Bermudez (STRI Internship Program)  
*Assisted with my dissertation project on intergroup competition in white-faced capuchin monkeys. Won a scholarship from the Fondación Carolina and received her M.S. in Conservation Biology from the Universidad Complutense in Madrid, Spain.*

## Peer Review

**Journals:** African Journal of Ecology, American Journal of Physical Anthropology, American Journal of Primatology, American Naturalist, Animal Behaviour, Behavioral Ecology, Behavioral Ecology and Sociobiology, Biology Letters, Current Biology, Current Zoology, Ecology, International Journal of Primatology, Journal of Mammalogy, Journal of the Royal Society Interface, Journal of Zoology, Proceedings of the National Academy of Sciences, Proceedings of the Royal Academy of Sciences B: Biological Sciences

**Grants:** L. S. B. Leakey Foundation, National Science Foundation, Smithsonian Tropical Research Institute, Graduate Women in Science, National Geographic, Animal Behavior Society, UC Davis Institute for Social Sciences, NSF-SBE Panel (2015)

## Field and Laboratory Experience

- 2012 Mpala Research Center, Kenya—Collective movement in *Papio anubis*  
2004-2014 Barro Colorado Island, Panama—Intergroup competition in *Cebus capucinus*  
2005 Nutritional Ecology Lab, Harvard University. Nutritional analysis of primate foods.  
2002 Gunung Palung National Park, Kalimantan, Indonesia—endocrine correlates of orangutan male dimorphism.  
2000 Bonner Fellow in the endocrinology lab at the Center for the Reproduction of Endangered Species (CRES), San Diego Zoo  
1999 Research Assistant in the endocrinology lab at CRES, San Diego Zoo

## Popular Press Articles

- July, 2012 Mpala Memos. *Baboon politics*  
[http://www.mpala.org/documents/Get\\_our\\_Newsletter\\_12\\_204593478.pdf](http://www.mpala.org/documents/Get_our_Newsletter_12_204593478.pdf)

## Popular Press Coverage

- April 2015 NASA Blog; *Space Station Safari's Ultimate Wildlife Research Vantage Point*  
[http://www.nasa.gov/mission\\_pages/station/research/news/icarus](http://www.nasa.gov/mission_pages/station/research/news/icarus)
- April 2014 Audubon Magazine *Tracking Wildlife from Space.*
- February 2014 ARTE *Am Puls des Planeten.* (Documentary airing in Germany and France.)
- August 2013 Profil. *Heimvorteil.*  
WDR Radio: Auch Tiere haben ein Zuhause. *Heimvorteil im Affenreich*  
Süddeutsche Zeitung. *Heimvorteil.*  
Badische Zeitung. *Wo liegen die Wurzeln des Heimatgefühls?*
- September, 2012 Untamed Science. *How to track a wild baboon.*  
<http://www.untamedscience.com/baboons>
- December, 2011 La Prensa. *Entiendo la cooperación animal.*  
<http://www.prensa.com/impreso/vivir/entiendo-la-cooperacion-animal/44652>
- August, 2011 Smithsonian Institute "Meet Our Scientists" Series  
<http://www.youtube.com/watch?v=b-6PkZn7EPw>

- October, 2010 La Estrella. *¿Cómo actúa un mono ante el ojo humano?*  
<http://www.laestrella.com.pa/mensual/2010/10/08/contenido/286711.asp>
- August, 2010 Ellas. *Technología en la vida salvaje.*  
<http://www.ellasvirtual.com/history/2010/07/23/conversacion.asp>
- April, 2010 La Prensa. *Barro Colorado, eje científico.*  
<http://mensual.prensa.com/mensual/contenido/2010/04/10/hoy/vivir/2122847.asp>
- February, 2010 Smithsonian Magazine. *How sleepy are sloths and other lessons learned.*  
<http://www.smithsonianmag.com/science-nature/How-Sleepy-Are-Sloths-and-Other-Lessons-Learned-in-Panama.html>
- October, 2009 National Geographic Explorer. *Charting ecosystems in real time.*  
<http://adventure.nationalgeographic.com/2009/10/innovators-text/9>
- September, 2009 Bangor Daily News. *Mainer has no time to monkey around.*  
<http://bangordailynews.com/2009/09/09/news/bangor/mainers-has-no-time-to-monkey-around/>
- April, 2009 National Wildlife. *Rainforest Reconnaissance.*  
<http://www.nwf.org/News-and-Magazines/National-Wildlife/News-and-Views/Archives/2009/Rain-Forest-Reconnaissance.aspx>
- March, 2009 Washington Post. *A visit to Panama's Living Lab.*  
<http://www.washingtonpost.com/wp-dyn/content/article/2009/03/13/AR2009031301252.html>
- February, 2009 New York Times. *Tracking forest creatures on the move.*  
<http://www.nytimes.com/2009/02/03/science/03angier.html>
- January, 2008 New Scientist. *Monkey battles play to home-field advantage.*  
<http://www.newscientist.com/article/mg19726385.500-monkey-battles-play-to-homefield-advantage.html>