Katherine Ann Cronin
CV

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EDUCATION

Ph.D.	2009	University of Wisconsin – Madison Psychology Dissertation title: Proximate influences on cooperative behavior in cottontop tamarins: Economic, social and endocrine
B.S.	2001	University of Wisconsin – Madison Zoology with honors

RESEARCH POSITIONS

2011 – present	Postdoctoral Staff Scientist Comparative Cognitive Anthropology Research Group Max Planck Institute for Psycholinguistics (The Netherlands) & Max Planck Institute for Evolutionary Anthropology (Germany)
2010 – 2011	Visiting Scientist Neurobiology of Language Research Group Max Planck Institute for Psycholinguistics (The Netherlands)
2009 – 2010	Postdoctoral Fellow Psychology Department, University of Wisconsin, Madison Assay Services, Wisconsin National Primate Research Center
2005 – 2008	National Science Foundation Graduate Research Fellow Psychology Department, University of Wisconsin, Madison
2002 – 2004	Studbook Data Analyst American Zoo & Aquarium Association (AZA) Population Management Center Conservation & Science Department, Lincoln Park Zoo
2001 – 2002	Associate in Research, Laboratory Manager Infant Cognition Center, Rhesus Monkey Laboratory, Duke Lemur Center Center for Cognitive Neuroscience, Duke University

AWARDS and GRANTS

- Netherlands Organization for Scientific Research (NWO) Veni grant. Principal Investigator. Project: Comparing chimpanzee cultures: Variation in social climate and its impact on prosociality 2011 – 2014. Award amount: 250,000 euro.

- National Science Foundation (NSF) Graduate Research Fellowship
  Project: The impact of social structure on cooperative problem solving by nonhuman primates
  2005 – 2008. Award amount: 90,000 USD.

- Best Student Paper, Honorable Mention, International Primatological Society (2006)

- Small grants: Hertz Collaborative Research Award, University of Wisconsin (2008); Hertz Research Travel Award, University of Wisconsin (2005, 2006 2007, 2008). Total award amount: 1,500 USD

- Hilldale Undergraduate Thesis/Faculty Research Fellowship, University of Wisconsin
  2001. Award amount: 3,000 USD.

TEACHING EXPERIENCE

Positions Held

2008 Associate Lecturer
"Special Topics in Psychology: Comparing Animal Minds"
Psychology Department, University of Wisconsin, Madison
Designed & taught upper-level undergraduate course (Mean student evaluation 4.9/5.0)

2007 – 2009 Teaching Assistant
Animal Behavior: The Primates (3 semesters)
Psychology Department, University of Wisconsin, Madison

2003 – 2004 Visiting Instructor
Introduction to Population Biology (select sections)
George Mason University & AZA Professional Development

Invited Lectures

2011 & 2012 Radboud University, Neurobiology and Evolution of Language Master's Program

2009 University of Wisconsin, Madison, Psychology Department Animal Behavior Course

2007 – 2009 University of Wisconsin, Madison, Psychology Department Primate Behavior Course

Graduate Student Mentoring

Edwin J. C. van Leeuwen, PhD student of the Max Planck Institute for Psycholinguistics & Max Planck Institute for Evolutionary Anthropology, co-advisor Dr. Daniel Haun.
PhD expected December 2013. Project: Behavioral flexibility and learning biases of chimpanzees.

Maddalena Tacchetti, Master's student of Radboud University, co-advisor Dr. Steven Levinson.
MS expected June 2013. Project: Communication to coordinate: How chimpanzees obtain behavioral synchrony in handclasp grooming.

Marjolein van Ginneken, Master's student of Antwerp University, co-advisor Dr. Jeroen Stevens.
Independent Project for MS in Biology. completion expected May 2013. Project: Social climates in chimpanzees.

PUBLICATIONS

Peer-reviewed Journal Articles

Cronin, K.A. (2012). Prosocial behaviour in animals: the influence of social relationships, communication and rewards. *Animal Behaviour.* 84: 1085-1093.

van Leeuwen, E.J.C., Cronin, K.A., Haun, D.B.M., Mundry, R. & Bodamer, M.D. (2012). Neighbouring chimpanzee communities show different preferences in social grooming behavior. *Proceedings of the Royal Society of London. Series B: Biological Sciences,* 279: 4362-4367.

Cronin, K.A. & Sanchez, A. (2012). Social dynamics and cooperation: The case of nonhuman primates and its implications for human behavior. *Advances in Complex Systems*, 15: 1250066.

Cronin, K.A., van Leeuwen, J.C., Mulenga, I.C. & Bodamer, M.D. (2011). Behavioral response of a chimpanzee mother toward her dead infant. *American Journal of Primatology*, 73: 415-421.

Cronin, K.A., Schroeder, K.K.S. & Snowdon, C.T. (2010). Prosocial behaviour emerges independent of reciprocity in cottontop tamarins. *Proceedings of the Royal Society of London. Series B: Biological Sciences,* 277: 3845-3851.

Snowdon, C.T., Pieper, B.A., Boe, C.Y., Cronin, K.A., Kurian, A.V. & Ziegler, T.E. (2010). Within-species variation in oxytocin is related to variation in affiliative behavior. *Hormones and Behavior,* 58: 614-618.

Cronin, K.A., Schroeder, K.K.E., Rothwell, E.S., Silk, J.B. & Snowdon, C.T. (2009). Cooperatively breeding cottontop tamarins (*Saguinus oedipus*) do not donate rewards to their long-term mates. *Journal of Comparative Psychology*, 123: 231-241.

Cronin, K.A. & Snowdon, C.T. (2008). The effects of unequal reward distributions on cooperative problem solving by cotton-top tamarins (Saguinus oedipus). *Animal Behaviour*, 75: 245-257.

Snowdon, C.T. & Cronin, K.A. (2007). Cooperative breeders do cooperate. *Behavioural Processes,* 76: 138-141.

Cronin, K.A., Mitchell, M.A., Lonsdorf, E.V. & Thompson, S.D. (2006). One year later: An evaluation of PMC-recommended births and transfers. *Zoo Biology*, 25: 267-277.

Cronin, K.A., Kurian, A.V. & Snowdon, C.T. (2005). Cooperative problem solving in a cooperatively breeding primate. *Animal Behaviour,* 69: 133-142.

Book Chapters

Cronin, K.A. (2012). Cognitive aspects of prosocial behavior in nonhuman primates. In N.M. Seel (Ed.) Encyclopedia of the Sciences of Learning. Part 3. (pp. 581-583). Berlin: Springer.

Snowdon, C.T. & Cronin, K.A. (2009). Comparative cognition and neuroscience. In G. Berntson & J. Cacioppo (Eds.), Handbook of Neuroscience for the Behavioral Sciences. (pp. 32-55). Hoboken, NJ: John Wiley & Sons.

Book Reviews

Cronin, K. A. (2013) Review of *Chimpanzees of the Lakeshore: Natural History and Culture at Mahale,* by Toshisada Nishida, Cambridge University Press. *Animal Behaviour,* 85: 685-686.

Published Conference Proceedings

Cronin, K.A., Snowdon, C.T. & Silk, J.B. (2008). Performance of cottontop tamarins on a food donation task: A comparison with chimpanzees and common marmosets. International Primatological Society, Edinburgh, Scotland. *Primate Eye*, 96 Special Issue, 17.

Cronin, K.A. & Snowdon, C.T. (2007). Cooperative problem solving by captive cotton-top tamarins (*Saguinus oedipus*): The effects of inequitable rewards. American Society of Primatologists, Winston-Salem, NC., USA *American Journal of Primatology*, 69 S1, 36.

Cronin, K.A. & Snowdon, C.T. (2006). The effect of unequal reward distribution on cooperative problem solving in cotton-top tamarins (*Saguinus oedipus*). International Primatological Society, Entebbe, Uganda. *International Journal of Primatology,* 27 S, 197.

Cronin, K.A., Kurian, A.V. & Snowdon, C.T. (2004). Cooperative problem solving in a cooperatively breeding primate: cotton-top tamarins (*Saguinus oedipus*). American Society of Primatologists, Madison, WI, USA. *American Journal of Primatology*, 62 S1, 125.

Snowdon, C.T., Boe, C.Y., Cronin, K.A., Joyce, S.M., Kurian, A.V., Moscovice, L.R. & Roskos, T.R. (2004). Cooperative cognition in cooperatively breeding tamarins. International Primatological Society, Torino, Italy. *Folia Primatologica*, 75 S1, 11.

PRESENTATIONS

Scientific Presentations (excluding those listed above)

Putting the cart behind the horse: The impact of contextual variants on the expression of prosocial behavior in primates (2012), International Primatological Society, Cancun, Mexico

Group differences in social tolerance across four chimpanzee communities (2012), International Primatological Society, Cancun, Mexico

Variation in the social climate of four chimpanzee societies (2012), European Conference on Behavioural Biology, Essen, Germany

The impact of social dynamics on the emergence of cooperative behavior in primates (2011), Max Planck Institute for Psycholinguistics, Nijmegen, The Netherlands

Prosocial behavior emerges independent of reciprocity in cottontop tamarins (2010), International Primatological Society, Kyoto, Japan

Learning to play nice: The emergence of prosocial behavior among pairbonded tamarins (2010), European Conference on Behavioural Biology, Ferrara, Italy

Punishment among cooperative primates (2009), Midwest Primate Interest Group, Grand Valley State University, Allendale, MI, USA

Proximate influences on cooperative behavior in tamarins (2009), Interdisciplinary Animal Behavior Seminar, University of Wisconsin, Madison, USA

We're in it together: Cooperative problem solving by cottontop tamarins (2008), Interdisciplinary Animal Behavior Seminar, University of Wisconsin, Madison, USA

Cooperation in tamarins: Long-term memory and the effects of unequal rewards (2005), Midwest Primate Interest Group, Washington University, St. Louis, MO, USA

Invited Presentations

2013 Department of Anthropology, University of California, San Diego
2012 Centre for Behaviour and Evolution, Newcastle University, United Kingdom
2012 University of Zurich Evolutionary Biology PhD Retreat, Riederalp, Switzerland
2011 Department of Behavioural Biology, Leiden University, The Netherlands
2011 Evolution and Co-evolution: Physics of Competition, Cooperation and Conflict. Tarragona, Spain
2010 Department of Psychology, University of Portsmouth, Portsmouth, UK
2010 Department of Developmental and Comparative Psychology, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
2009 Department of Anthropology, University of Zurich, Switzerland
2008 Yale University Primate Social Cognition Workshop, New Haven, CT, USA.
2007 Animal Behavior Research Group. University of Chicago, IL, USA

Presentations for the Public

What do monkeys think about cooperation? (2007)
Wingra School, Madison, WI, USA (elementary school)

Primate origins of cooperation and reciprocity (2006)
University of Wisconsin, Madison Board of Visitors (donors)

Animals need a yenta too (2004)
Lincoln Park Zoo Lecture Series, Chicago, IL, USA (general public)

PROFESSIONAL ACTIVITIES

Organized Symposia

Tolerance and inhibition in nonhuman primates. Co-organized with Liesbeth Sterck, for the European Federation for Primatology, Antwerp, Belgium (upcoming 2013).

Intraspecific variation in primate social dynamics. Organized for the European Conference on Behavioural Biology, Essen, Germany (2012)

Cooperation, reciprocity & responses to inequity. Organized with Charles Snowdon & Sarah Brosnan for the International Primatological Society Conference, Edinburgh, Scotland (2008)

Additional Affiliations

Chimfunshi Wildlife Orphanage Trust (founding member of the Research Advisory Board)

Media Coverage (select)

29 August 2012 – "Chimpanzee grooming is a 'postcode lottery'," BBC.
(http://www.bbc.co.uk/news/science-environment-19410351)
28 August 2012 – "Chimp 'secret handshakes' may be cultural," LiveScience.
(www.livescience.com/22765-chimp-handshakes-grooming-cultural.html)
13 May 2011 – "Chimps 'mourn' 9-year-old's death?" National Geographic.
(http://video.nationalgeographic.com/video/news/animals-news/zambia-chimpanzee-death-reaction-vin/)
4 February 2011 – "Video suggests mother chimps may grieve death of an infant," US News & World Report. (http://health.usnews.com/health-news/family-health/brain-and-behavior/articles/2011/02/04/video-suggests-mother-chimps-may-grieve-death-of-an-infant)
2 February 2011 – "Do chimpanzees mourn their dead infants?" Science Daily.
(http://www.sciencedaily.com/releases/2011/01/110127160441.htm)

Ad-hoc Referee

American Journal of Primatology, Animal Behaviour, Animal Cognition, Biology Letters, Current Biology, Ethology, International Journal of Primatology, Journal of Comparative Psychology, The Leakey Foundation, The Mind of the Chimpanzee (edited book), Philosophical Transactions of the Royal Society, Public Library of Science (PLOS) One