

CURRICULUM VITAE

Victoria Horner

BIRTHPLACE

Gateshead, United Kingdom
British Citizen

WORK ADDRESS

Living Links Center
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EDUCATION

University of St Andrews, UK - B.Sc. Animal Biology (1st Class Honors), 1999
University of St Andrews, UK - Ph. D. Psychology, 2004

ACADEMIC APPOINTMENTS

2006 – present	Living Links Postdoctoral Research Fellow, Yerkes National Primate Research Center, Emory University, USA
2005 – 2006	Assistant Professor (adjunct), Department of Psychology, Emory University, USA
2003 – 2006	Biotechnology and Biological Sciences Research Council Postdoctoral Fellow, School of Psychology, University of St Andrews, UK
2000 – 2003	Ph.D Research Scholarship, BBSRC, UK

EMPLOYMENT

Sept 2006 – present

Post-Doctoral Research Fellow, Living Links, YNPRC, Emory University, USA

- Conduct research in Dr. Frans de Waal's group at the Yerkes National Primate Research Center (YNPRC) of Emory University to investigate social cognition in two large chimpanzee communities.
- Current projects include (i) investigating how social dynamics can affect the spread of information within a group, (ii) how economic payoffs influence the probability that novel behaviors will be learned by others and (iii) comparative studies of cognition with chimpanzees, capuchin monkeys and children.

Sept 2005 - present

Assistant Professor (Adjunct), Department of Psychology, Emory University, USA

- Teach parts of graduate and undergraduate classes for Dr. de Waal and Dr. Gouzoules
- Mentor students from Emory's Summer Undergraduate Research Experience program

Oct 2003 – Sept 2006

Post-Doctoral Research Fellow, University of St Andrews, UK

- Collaboration with Prof Whiten and Dr. de Waal on a three year project designed to investigate chimpanzee cultural transmission at YNPRC.

PUBLICATIONS

Peer Reviewed Journal Publications

de Waal, F.B.M., Boesch, C., Horner, V., & Whiten, A. (2008). Comparing Social Skills of Children and Apes. *Science* 319: 569.

Horner, V. & Whiten, A. (2007). Learning from others' mistakes? Limits on understanding a trap-tube task by young chimpanzees and children. *Journal of Comparative Psychology*. 121, 12-21.

Whiten, A., Spiteri, A., Horner, V., Bonnie, K.E., Lambeth, S.P., Schapiro, S.J., & de Waal, F.B.M. (2007). Transmission of multiple traditions within and between chimpanzee groups. *Current Biology*. 17, 1038-1043.

McGuigan, N., A. Whiten, E. Flynn, and V. Horner. Imitation of Causally Opaque Versus Causally Transparent Tool Use by 3- and 5-Year-Old Children. *Cognitive Development* 22 (2007): 353-64.

Hopper, L., A. Spiteri, S.P. Lambeth, S.J. Schapiro, V. Horner, and A. Whiten. (2007). Experimental Studies of Traditions and the Underlying Transmission Processes in Chimpanzees. *Animal Behaviour*. In press.

Horner, V., Whiten, A., Flynn, E. & de Waal, F.B.M. (2006). Faithful replication of foraging techniques along cultural transmission chains by chimpanzees and children. *Proceedings of the National Academy of Sciences, USA*. 103, 13878-13883.

- Bonnie, K.E., Horner, V., Whiten, A. & de Waal, F.B.M. (2006). Spread of arbitrary customs among chimpanzees: a controlled experiment. *Proceedings of the Royal Society of London, Series B*. 274, 367-372.
- Horner, V. & Whiten, A. (2005). Causal knowledge and imitation/emulation switching in chimpanzees (*Pan troglodytes*) and children (*Homo sapiens*). *Animal Cognition* 8: 164-181.
- Horner, V., Bonnie, K.E., & de Waal, F.B.M. (2005). Identifying the motivations of chimpanzees: Culture and collaboration. *Behavioral and Brain Sciences*. 28: 704-705
- Whiten, A., Horner, V. & de Waal, F.B.M (2005). Conformity to cultural norms of tool use in chimpanzees. *Nature* 437: 737-740.
- Whiten, A. Horner, V. Litchfield, C.A. & Marshall-Pescini, S. (2004) How do apes ape? *Learning and Behavior*. 32(1): 36-52
- Whiten, A. Horner, V. & Marshall-Pescini, S. (2003) Cultural Panthropology. *Evolutionary Anthropology*. 12(2): 92-105

Edited Book Chapters

- Horner, V. (in press). The Cultural Mind of Chimpanzees: How social tolerance can shape the transmission of culture. In *The Mind of the Chimpanzee: Ecological and Experimental Perspectives*. Lonsdorf, E.V., Ross, S.R. and Matsuzawa, T. (Eds), Chicago Uni. Press.
- Horner, V. (in press). Definition of imitation. In *Encyclopedia of applied animal behaviour and welfare*. Mills, D. (Ed). CABI Publishing, Wallingford, UK.
- Perlman, J., Horner, V., Bloomsmith, M., Lambeth, S.P. & Schapiro, S.J. (in press). Positive Reinforcement Training, Welfare, and Chimpanzee Social Learning. In *The Mind of the Chimpanzee: Ecological and Experimental Perspectives*. Lonsdorf, E.V., Ross, S.R. and Matsuzawa, T. (Eds), Chicago University Press.
- Whiten, A. Horner, V. & Marshall-Pescini, S. (2005). Selective Imitation in Child and Chimpanzee: A Window on the Construal of Others' Actions. In *Perspectives on imitation: From cognitive neuroscience to social science*. Hurley, S. & Chater, N. (Eds), MIT Press, Cambridge, MA. Volume 1, pages 263-284

Conference Proceedings

- Horner, V. (2007). Chimpanzee Culture: Reports from captivity and the field. XXX Conference of the American Society of Primatologists, Winston-Salem, NC, USA, 20th-23rd June 2007.
- Horner, V. (2007). Cultural chimpanzees? Society for Philosophy and Psychology Conference, Toronto, Canada, 14th – 17th June 2007.
- Horner, V., Whiten, A. & de Waal, F.B.M. (2006). Faithful multigenerational transmission of foraging techniques by chimpanzees and children. XXI Congress of the International Primatological Society, Entebbe, Uganda, 24th-30th June 2006.
- Horner, V. & Whiten, A. (2004). Causal information and social learning in chimpanzees and children. *Folia Primatologica* Vol. 75, supplemental 1, page 278 XX Congress of the International Primatological Society, Torino, Italy, 22nd-28th August 2004.
- Horner, V. & Whiten, A. (2003). Is chimpanzee social learning affected by observing errors? Primate Society of Great Britain, Spring meeting, University of St Andrews, UK, 10th-11th April 2003.

TEACHING & MENTORING EXPERIENCE

2007-2008

- Taught parts of an undergraduate course on Social Psychology at Emory University with Dr. de Waal
- Taught parts of an undergraduate seminar course on Comparative Cognition at Emory University with Dr. Bonnie
- Chaired two undergraduate and graduate discussion seminars on Learning and Social Cognition at Emory University with Dr. de Waal and Dr. Gouzoules
- Taught part of an undergraduate course in Animal Psychology at Georgia State University with Dr. Stoinski
- Supervised a one-day 'field course' for Emory undergraduates at Yerkes Primate Center where students conducted observational studies of chimpanzee behavior
- Supervise day-to-day research at the Living Links Center Chimpanzee Research Group – involves supervision of experimental design, data collection and analysis by undergraduate and graduate students at Emory University in addition to being responsible for safety and coordination with veterinary and care staff and other research groups who work with the chimpanzees
- Plan to attend Emory's Teaching Assistant Training and Teaching Opportunity program (TATTO) – 3 day workshop on teaching in July 2008
- Give lunchtime talks to Animal Care staff at YNPRC about ongoing research projects

2005-2006

- Taught part of an undergraduate course on Social Cognition at Emory University with Dr. de Waal
- Taught part of a class on Animal Cognition at Oglethorpe University with Dr. Bonnie
- Chaired discussion seminars during Dr. de Waal and Dr. Gouzoules's graduate course on Primate Social Behavior at Emory University
- Supervise research at the Living Links Chimpanzee Research Group (please see above)
- Give informal lunchtime talks to Animal Care staff at Yerkes Primate Center about ongoing research projects at the Living Links Center

2003 – 2004

- Set-up and ran "Culture Club" - an interdisciplinary journal club involving researchers from Emory University, Georgia Technical Institute and Zoo Atlanta
- Supervised students in the "Summer Undergraduate Research Experience" program at Emory University which is a 10 week program for students from other institutions who conduct small research projects and present their findings in a competition with other students

2000 – 2003

- Supervised research assistants and volunteers at Ngamba Island Chimpanzee Sanctuary, Uganda, during fieldwork for Ph.D.

INVITED TALKS & PUBLIC PRESENTATIONS

- American Society of Primatologists, Winston-Salem, NC, USA: 20th – 23rd June 2007
- Society for Philosophy and Psychology, Toronto, Canada: 14th – 17th June 2007
- The Mind of the Chimpanzee, Chicago, Illinois, USA: 22nd – 25th March 2007
- Chimpanzee Cognition workshop at 21st Congress of the International Primatological Society, Ngamba Island, Uganda: 23rd - 24th June 2006
- Public Lecture “Chimpanzee Cultures” at Zoo Atlanta, USA: 4th April 2006
- Evolution and Human Behavior Spring Seminar Series, Department of Anthropology, Emory University, USA : 1st March 2006
- Symposium on Social Learning in Chimpanzees and Children at Biannual meeting of the Society for Research in Child Development, Atlanta, USA: 7th – 11th April 2005
- Royal Society of Edinburgh, “Chimpanzee Cultures” at New Frontiers in Science Exhibition, Edinburgh, UK ~ 5,000 public visitors: June 2000

COLLABORATORS & CO-AUTHORS

- M. Bloomsith (YNPRC, USA)
- K. E. Bonnie (Beloit University, USA)
- F. B. M. de Waal (YNPRC, Emory University, USA)
- E. Flynn (University of St Andrews, UK)
- L. M. Hopper (University of St Andrews, UK)
- C. Litchfield (University of Adelaide, Australia)
- S.P. Lambeth (University of Texas, USA)
- S. Marshall-Pescini (Milan, Italy)
- N. McGuigan (University of St Andrews, UK)
- J. Pearlman (YNPRC, USA)
- S. Schapiro (University of Texas, USA)
- A. Spiteri (University of St Andrews, UK)

PEER REVIEWING EXPERIENCE

- Acta Zoologica Sinica
- Animal Behaviour
- Animal Cognition
- Child Development
- Journal of Experimental Child Psychology
- Journal of Human Evolution
- PLoS Biology

POSTGRADUATE & POSTDOCTORAL ADVISORS

- Andrew Whiten (Psychology, University of St Andrews, UK)
- Frans B. M. de Waal (Living Links, YNPRC, Emory University, USA)

PROFESSIONAL AFFILIATIONS

- Association for Psychological Science
- Association for the Study of Animal Behaviour
- International Primatological Society
- Primate Society of Great Britain
- Scottish Primate Research Group

COMMUNICATING SCIENCE TO THE PUBLIC

Science Magazines

- National Geographic, Scientific American, New Scientist, der Spiegel, The Scientist

News coverage

- The Today Show (NBC), Washington Post, New York Times, Atlanta Journal Constitution, Guardian, Scotsman, Independent, Financial Times, Daily Mirror, Radio Sweden.

Television Documentaries

- BBC Horizon, National Geographic, NOVA, (PBS filming in March 2008)