

## Work Address

Living Links Center  
Yerkes National Primate Research Center  
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## Education

University of St Andrews, U.K. - B.Sc. Animal Biology (1<sup>st</sup> Class Honors), 1999  
University of St Andrews, U.K. - Ph.D. Psychology, 2004

## 1. EMPLOYMENT

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Sept 2006 – present

### **Post-Doctoral Research Fellow, Living Links, YNPRC, Emory University, U.S.A.**

- 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 chimpanzees
- Current projects include comparative studies of cognition with children, chimpanzees and capuchin monkeys

Sept 2005 - present

### **Assistant Professor (Adjunct), Department of Psychology, Emory University, U.S.A.**

- 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, U.K.**

- Conducted studies of chimpanzee behavior at Yerkes National Primate Research Center, Emory University in collaboration with Drs. Whiten (St Andrews) and de Waal (Emory)

Sept 2000 – June 2003

### **Ph.D. Student, University of St Andrews, U.K.**

- Research funded by the Biotechnology and Biological Sciences Research Council, U.K.
- Thesis title: Causal Information and Social Learning in Chimpanzees and Children

May 1999 – Sept 2000

**Biologist, Sealife Center Aquarium, St Andrews, U.K.**

- Gave public presentations about the aquarium animals to visitors and school groups
- Responsible for day-to-day animal husbandry
- During the summer months, lead a team of three part-time workers
- Supervised the aquarium side of the Seal Rescue Project; a rescue-release program for Harbor and Grey Seal pups abandoned on the local beaches, run in collaboration with the Sea Mammal Research Unit, University of St Andrews, U.K.

May 1998 – May 1999

**Biologist (part-time), Sealife Center Aquarium, St Andrews, U.K.**

- Gave public presentations about the aquarium animals to visitors and school groups
- Responsible for day-to-day animal husbandry

June 1993 – Sept 1995

**Pharmacy assistant/nanny (part-time), Dundee, U.K.**

- Operated register in pharmacy and delivered medication the elderly customers
- Employed during weekends as a nanny to supervise the pharmacist's three children

## 2. PUBLICATIONS

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### Peer Reviewed Journal Publications

Horner, V. & de Waal, F. B. M. (2009). Controlled studies of chimpanzee cultural transmission. *Progress in Brain Research*, 178: 3-16.

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

- Hopper, L., Spiteri, A., Lambeth, S.P., Schapiro, S.J., Horner, V., & Whiten, A. (2007). Experimental Studies of Traditions and the Underlying Transmission Processes in Chimpanzees. *Animal Behaviour*.
- 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. (2010). 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. (2010). 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. (2008). Cultural Transmission by chimpanzees and dolphins. International Workshop on Comparative Cognitive Science, Nagoya, Japan, 12<sup>th</sup> September 2008

Horner, V. (2008). Chimpanzee Trendsetters: Does inventor status affect the probability of cultural transmission? XXII Congress of the International Primatological Society, Edinburgh, Scotland, 3<sup>rd</sup>-8<sup>th</sup> August 2008

Horner, V. (2007). Chimpanzee Culture: Reports from captivity and the field. The American Society of Primatologists, Winston-Salem, NC, U.S.A., 20<sup>th</sup>-23<sup>rd</sup> June 2007

Horner, V. (2007). Cultural chimpanzees? Society for Philosophy and Psychology Conference, Toronto, Canada, 14<sup>th</sup> – 17<sup>th</sup> 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, 24<sup>th</sup>-30<sup>th</sup> June 2006

Horner, V. & Whiten, A. (2004). Causal information and social learning in chimpanzees and children. *Folia Primatologica* Vol. 75, supplemental 1, page 278. Congress of the International Primatological Society, Torino, Italy, 22<sup>nd</sup>-28<sup>th</sup> 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, U.K., 10<sup>th</sup>-11<sup>th</sup> April 2003

### **3. ACTIVITIES & HONORS**

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#### **Academic Activities and Volunteer Work**

2007- present

- 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
- Taught two guest lectures at Georgia State University as part of Dr. Stoinski's undergraduate class on Animal Behavior
- Co-supervised a student from Emory's 'Summer Undergraduate Research Experience'

- Chaired two undergraduate and graduate discussion seminars on Learning and Social Cognition at Emory University with Drs. de Waal and Gouzoules
- Supervised two one-day 'field courses' for Emory undergraduates at Yerkes National Primate Research Center
- Supervise day-to-day research in Dr. de Waal's research group at Emory University
- Coordinate research activities with other departments at Yerkes Primate Center
- Give informal lunchtime talks to Animal Care staff at Yerkes Primate Center about ongoing research projects

2005-2006

- Teaching and supervisory responsibilities same as above
- In addition, taught part of a class on Animal Cognition at Oglethorpe University with Dr. Bonnie
- Acted as a 'Big Sister' through Big Brothers Big Sisters of Atlanta for 15 months until my 'Little Sister' and her family moved to Indianapolis

2003 – 2004

- Set-up and ran 'Culture Club' - an interdisciplinary journal club involving researchers from Emory University, Georgia Technical Institute and Zoo Atlanta
- Co-supervised a student from Emory's 'Summer Undergraduate Research Experience'

2000 – 2003

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

1999 – 2000

- Supervised a team of biologists at the Sealife Center Aquarium in St Andrews, U.K.
- Lead the aquarium side of the Seal Rescue Project (please see above) in collaboration with St Andrews University, U.K.

1996 - 1997

- Volunteered as a lifeguard and camp counselor during two summer vacations of my undergraduate degree program
- Responsible for day-to-day care of 20 girl scouts aged between 12 – 17 years old
- Taught swimming and canoeing classes at the camp lake

### **Invited Talks and Presentations**

- International Workshop on Comparative Cognitive Science, Japan: 12<sup>th</sup> Sep 2008
- American Society of Primatologists, Winston-Salem, NC, U.S.A.: 20<sup>th</sup> – 23<sup>rd</sup> June 2007
- Society for Philosophy and Psychology, Toronto, Canada: 14<sup>th</sup> – 17<sup>th</sup> June 2007
- The Mind of the Chimpanzee, Chicago, Illinois, U.S.A.: 22<sup>nd</sup> – 25<sup>th</sup> March 2007
- Chimpanzee Cognition workshop at 21<sup>st</sup> Congress of the International Primatological Society, Ngamba Island, Uganda: 23<sup>rd</sup> - 24<sup>th</sup> June 2006
- Public Lecture "Chimpanzee Cultures" at Zoo Atlanta, U.S.A.: 4<sup>th</sup> April 2006

- Evolution and Human Behavior Spring Seminar Series, Department of Anthropology, Emory University, U.S.A.: 1<sup>st</sup> March 2006
- Symposium on Social Learning in Chimpanzees and Children at Biannual meeting of the Society for Research in Child Development, Atlanta, U.S.A.: 7<sup>th</sup> – 11<sup>th</sup> April 2005
- Royal Society of Edinburgh, “Chimpanzee Cultures” at New Frontiers in Science exhibition, Edinburgh, U.K: June 2000

### **Peer Reviewing Experience**

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

### **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**

#### Magazine Pieces

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

#### Newspaper Reports

- Washington Post, New York Times, Atlanta Journal Constitution, Guardian, Scotsman, Independent, Financial Times, Daily Mirror

#### Television Documentaries

- BBC Horizon (Chimps Are People Too), National Geographic (Human Ape), NOVA (Ape Genius), PBS (The Human Spark)

#### Media Appearances

- The Today Show (NBC), Radio Sweden

### **Scholarships**

#### 2000 – 2003

- Biotechnology and Biological Science Research Council (UK) graduate scholarship

#### 2003 - 2006

- Biotechnology and Biological Science Research Council (UK) postdoctoral research scholarship