

# Matthew W. Campbell

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WEBSITES: [http://www.emory.edu/LIVING\\_LINKS/people/campbell.shtml](http://www.emory.edu/LIVING_LINKS/people/campbell.shtml)  
[http://www.emory.edu/LIVING\\_LINKS/research/animations.shtml](http://www.emory.edu/LIVING_LINKS/research/animations.shtml)

EDUCATION: **University of Wisconsin-Madison, 2006**  
Ph.D. in Psychology  
Thesis: Eat and not be eaten: Recognition of food and predators by captive-born cotton-top tamarins.

**Emory University, 1999**  
B.S., *Summa Cum Laude*  
Major: Neuroscience and Behavioral Biology  
Thesis: A test of cooperation in capuchin monkeys.

## APPOINTMENTS:

- Visiting Lecturer, Georgia State University. 2012-present
- Associate Editor, *Behaviour*. 2012-present
- Adjunct Professor, Morehouse College, Department of Psychology. 2011-2012
- Post-doctoral Fellow, FIRST at Emory University School of Medicine. 2009-2012
- Post-doctoral Fellow, Living Links Center, Emory University. 2007-2009
- Adjunct Lecturer, University of Wisconsin-Madison. Fall 2006

## AWARDS:

- Fellowship in Research and Science Teaching (FIRST), NIH/NIGMS (USA) IRACDA Grant number K12 GM000680 to Emory University. 2009
- ORDER Teacher-Scholar, Emory University. 2008
- Living Links Post-doctoral Fellow, Emory University. 2007
- Dissertation Research Award, American Psychological Association. 2003
- Student Research Grant, Animal Behavior Society. 2003
- Honorable Mention, NSF Graduate Research Fellowship. 2000
- University Fellow, University of Wisconsin-Madison. 1999

## RESEARCH PUBLICATIONS:

Campbell M.W. & de Waal F.B.M. In preparation. Involuntary empathy by chimpanzees for humans.

Campbell M.W. & de Waal F.B.M. 2011. Ingroup-outgroup bias in contagious yawning by chimpanzees supports link to empathy. *PLoS ONE* 6: e18283. doi:10.1371/journal.pone.0018283

Campbell, M.W., Carter, J.D., Proctor, D., Eisenberg, M.L., & de Waal, F.B.M. 2009. Computer animations stimulate contagious yawning in chimpanzees. *Proceedings of the Royal Society B* 276: 4255-4259.

Campbell, M.W. & Snowdon, C.T. 2009. Can auditory playback condition predator mobbing in captive-reared *Saguinus oedipus*? *International Journal of Primatology* 30: 93-102.

Friant, S.C., Campbell, M.W. & Snowdon, C.T. 2008. Captive-born cotton-top tamarins (*Saguinus oedipus*) respond similarly to vocalizations of predators and sympatric non-predators. *American Journal of Primatology* 70: 707-710.

Campbell, M.W. & Snowdon, C.T. 2007. Vocal response of captive-reared *Saguinus oedipus* during mobbing. *International Journal of Primatology* 28: 257-270.

## BOOK CHAPTERS

Campbell, M.W. & de Waal, F.B.M. 2010. Methodological problems in the study of contagious yawning. In: *The Mystery of Yawning in Physiology and Disease*. Ed: Olivier Walusinski. *Frontiers of Neurology and Neuroscience*. Basel, Karger, 28: 120-127.

## COMMENTARIES

Haefffel, G.J., Thiessen, E.D., Campbell, M.W., Kaschak, M.P., & McNeil, N.M. 2009. Theory, not cultural context, will advance American psychology. *American Psychologist* 64: 570-571.

## INVITED PRESENTATIONS

Contagious yawning in chimpanzees as a measure of empathy: Potential implications for autism research. Postdoctoral Research Symposium. Emory University. 2011.

Exploring the link between empathy and contagious yawning. Cognitive Science Program seminar series, Department of Psychology, Georgia State University. 2010.

Exploring the link between empathy and contagious yawning. First International Conference on Yawning. Paris, France. 2010.

Bottom-up view of empathy, imitation, and theory of mind. Atlanta Autism Consortium. 2009.

Do chimpanzees yawn contagiously in response to 3D computer animations? Symposium: Facial expression in primates: Measurement, meaning and function. 22<sup>nd</sup> Congress of the International Primatological Society. Edinburgh, Scotland. 2008.

#### CONFERENCE PRESENTATIONS AND PUBLISHED ABSTRACTS:

Campbell, M.W. & de Waal F.B.M. Contagious yawning as a measure of involuntary empathy by chimpanzees for humans. Presented at: Joint meeting of the Animal Behavior Society and the Human Behavior & Evolution Society. Albuquerque, NM. 2012.

Campbell, M.W. & de Waal F.B.M. Contagious yawning as a measure of involuntary empathy by captive chimpanzees for humans. Presented at: Presented at: 24<sup>rd</sup> Congress of the International Primatological Society. Cancun, Mexico. 2012.

Campbell, M.W. & de Waal F.B.M. Contagious yawning in chimpanzees as a measure of empathy: Potential implications for autism research. Presented at: International Meeting For Autism Research. San Diego, CA. 2011.

Campbell, M.W. & de Waal F.B.M. Contagious yawning in chimpanzees as a measure of empathy: Potential implications for autism research. Presented at: National IRACDA Conference. Houston, TX. 2011.

Campbell, M.W. & de Waal F.B.M. Chimpanzees show in-group–out-group bias in contagious yawning. Presented at: 23<sup>rd</sup> Congress of the International Primatological Society. Kyoto, Japan. 2010.

Campbell, M.W. ORDERed chaos: Connecting students with research at Emory University. Presented at: National IRACDA Conference. Boston, MA. 2010.

Campbell, M.W., Carter J.D., Proctor D. & de Waal F.B.M. Contagious yawning by chimpanzees in response to 3D computer animated yawns and videotaped yawns. Presented at: The Primate Mind: Built to Connect With Other Minds. Erice, Sicily. 2009.

Campbell, M.W., Carter J.D., & de Waal F.B.M. 2009. Comparing the effectiveness of videotape and computer-animation for stimulating contagious yawning by chimpanzees (*Pan troglodytes*). *American Journal of Primatology* 71(Suppl 1): 63.

Campbell, M.W., Carter J.D., Proctor D. & de Waal F.B.M. 2008. Do Chimpanzees Yawn Contagiously In Response To 3D Computer Animations? *Primate Eye* (22<sup>nd</sup> Congress of the International Primatological Society) 96: 291.

Campbell, M.W., Carter J.D., Proctor D. & de Waal F.B.M. 2008. Contagious yawning in response to computer animations by chimpanzees. *American Journal of Primatology* 70(Suppl 1): 67.

Campbell, M.W. & Snowdon, C.T. 2006. Auditory playback alone is insufficient to condition captive-reared cotton-top tamarins to mob a predator. *American Journal of Primatology* 68 (Suppl 1): 56.

Campbell, M.W. & Snowdon, C.T. 2005. Vocalizations given during mobbing by captive-reared cotton-top tamarins, *Saguinus oedipus*. *American Journal of Primatology* 66 (Suppl 1): 51.

Campbell, M.W. & Snowdon, C.T. 2004. Training captive-born cotton-top tamarins to recognize a predator. *Folia Primatologica* 75: 362.

Snowdon, C.T. & Campbell, M.W. 2002. Multimodal communication and crossmodal perception: A route to language? *Caring for primates. Abstracts of the XIX<sup>th</sup> Congress*. The International Primatological Society. Beijing: Mammalogical Society of China. P. 160.

Campbell, M.W. & Snowdon, C.T. 2001. Social knowledge: a new domain for testing cross-modal perception and the origins of language. Pp.79-82 in: *Oralite et Gestualite*. L'Harmattan, Paris.

#### TEACHING EXPERIENCE:

- Introduction to Biopsychology (2 sections)  
Instructor, Georgia State University. Fall 2012
- Introduction to Drugs and Behavior (2 sections)  
Instructor, Georgia State University. Fall 2012
- Introduction to Psychology: Psychology as a Natural Science  
Co-instructor, Morehouse College. Fall 2011, Spring 2012
- Animal Behavior  
Co-instructor, Morehouse College. Spring 2011, Spring 2012
- Animal Behavior Laboratory  
Co-instructor, Morehouse College. Spring 2011, Spring 2012
- ORDER: On Recent Discoveries by Emory Researchers  
Interdisciplinary Freshman and Senior Seminars  
Co-instructor, Emory University. 2008-9
- Comparative Animal Cognition  
Instructor, University of Wisconsin-Madison. Fall 2006

#### GUEST TEACHING:

- Social Complexity of Nonprimates. Emory University (for Dr. Frans de Waal). 2008-2011

- Affiliation, Grooming, Kinship. Emory University (for Dr. Frans de Waal). 2009
- Social Learning. Georgia State University (for Dr. Sarah Brosnan). 2009

#### TEACHING ASSISTANT EXPERIENCE:

- Introductory Psychology (4 semesters). University of Wisconsin-Madison
- Animal Behavior – The Primates (2 semesters). University of Wisconsin-Madison

#### MENTORING

- Jennifer Crick, co-mentor, Summer Undergraduate Research Experience (SURE), Emory University. 2011
- Morgan Mingle, co-mentor, Summer Undergraduate Research Experience (SURE), Emory University. 2010
- Michelle Eisenberg, primary mentor, Summer Undergraduate Research Experience (SURE), Emory University. 2008
- Sagan Friant, mentor/collaborator, senior thesis, University of Wisconsin-Madison. 2006

#### PROFESSIONAL SERVICE

- Judge, Morehouse Psychology Department Research Fair. Spring 2011
- Session Co-chair, 23<sup>rd</sup> Congress of the International Primatological Society. Kyoto, Japan. 2010
- Election Committee, American Society of Primatologists. 2010
- Selection Committee, ORDER Teacher-Scholars, Emory University. 2010

#### INVITED AD HOC REVIEWER

*American Journal of Primatology, Animal Behaviour, Animal Cognition, Behavioral Ecology, Biology Letters, Cambridge University Press, Current Biology, Ethology, International Journal of Comparative Psychology, PLoS ONE, Proceedings of the Royal Society: B*

#### OUTREACH:

- Guest teacher, Osher Lifelong Learning Institute at Emory University. May 2012
- Guest speaker, Atlanta Botanical Garden. June 2011
- Guest teacher, Senior University at Mercer University. May 2010
- Guest speaker, Atlanta Science Tavern. December 2009
- Scientific consultation and facilitation on *Hominid*, a play inspired by the research of Frans de Waal, developed by Theater Emory and Out of Hand Theater. 2007-2009, production in Fall 2009