

EMILY R. BOEVING

Florida International University
Department of Psychology
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EDUCATION

- 2014- Ph.D. Student, Psychology, Florida International University (Miami, FL)
 Specialization: Developmental Psychology & Cognitive Neuroscience
- 2008-2010 M.Sc., Evolutionary Anthropology, Durham University (Durham, United Kingdom)
 Specialization: Biological Anthropology & Behavior
- 2004-2008 B.S., Psychology, Ouachita Baptist University (Arkadelphia, AR)
 Minor: Biology

RESEARCH FOCUS & INTERESTS

My broad research interest centers around defining sociality. In order to understand a topic as complex as sociality, I utilize multiple levels of subjects, methods, and analysis to include behavior in humans and non-human primates, and self-report surveys, cognitive testing, and brain correlates from fMRI data in humans. I employ a Dynamic Systems framework to characterize the interplay of social and cognitive development, and aim to implement novel methods for assessing relationships between social behavior and functional brain connectivity.

MANUSCRIPT PUBLICATIONS

Boeving, E.R., Belnap, S.C., & Nelson, E.L. (*Submitted to American Journal of Primatology*). Embraces are lateralized in spider monkeys (*Ateles fusciceps rufiventris*).

Nelson, E.L. & **Boeving, E.R.** (2015). Precise digit use increases the expression of handedness in Colombian spider monkey (*Ateles fusciceps rufiventris*). *American Journal of Primatology*, 77, 1253-1262.

Boeving, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & Nelson, E.L. (2015). Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not rhesus monkeys (*Macaca mulatta*). *Experimental Brain Research*, 233, 829-837.

Price, A., **Boeving, E.R.**, Shender, M.A., Ross, S.R. (2015) Understanding the effectiveness of demonstration programs. *Journal of Museum Education*, 40(1), 46-54.

PROCEEDINGS

Rodrigues, M. A., & **Boeving, E. R.** (2016). *Socio-behavioral convergence in female affiliative behaviors in Pan and Ateles* (No. e1816v1). PeerJ Preprints.

Boeving, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & Nelson, E.L. (2014). Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not rhesus monkeys (*Macaca mulatta*). *American Journal of Primatology*, Vol. 76 (S1), 44.

Boeving, E. R., Shender, M. A., Wagner, K. E., & Ross, S. R. (2013). A behavioral evaluation of pregnant zoo-housed gorillas (*Gorilla gorilla gorilla*). *American Journal of Primatology*, Vol. 75 (S1), 49.

PRESENTATIONS

Boeving, E.R. & Nelson, E.L. (2016, August). Dyadic socio-communicative behavior is lateralized in captive Colombian spider monkeys (*Ateles fusciceps rufiventris*). Oral presentation to be given at the Joint Meeting of the International Primatological Society & The American Society of Primatologists, Chicago, IL, USA.

Boeving, E.R., Kendall, G.A., & Nelson, E.L. (2016, August). Tails in Context: Implications for laterality in the Colombian spider monkeys (*Ateles fusciceps rufiventris*). Poster to be presented at the Joint Meeting of the International Primatological Society & The American Society of Primatologists, Chicago, IL, USA.

Rodrigues M.A., **Boeving E.R.** (2016, August). Socio-behavioral convergence in female affiliative behaviors in *Pan* and *Ateles*. Poster presented at the Understanding Chimpanzees IV: Chimps in Context meeting, Chicago, IL, USA.

Rodrigues M.A., **Boeving E.R.** (2016, August). Grooming networks in captive chimpanzees and bonobos. Oral presentation given at the International Primatological Society and American Society of Primatologists Joint Meeting, Chicago, IL, USA.

Boeving, E.R., Bartley, J.E., Riedel, M.C., Sutherland, M.T., Laird, A.R. (2016, June). Meta-analytic co-activation modeling of posterior medial cortex: Beyond the default mode network. Poster presented at the Organization for Human Brain Mapping, Geneva, Switzerland.

Boeving, E.R., Kendall, G.A., & Nelson, E.L. (2016, April). Socio-behavioral asymmetries in Colombian spider monkeys. Poster presented at the 23rd Annual International Conference on Comparative Cognition, Melbourne, FL, USA

Boeving, E.R. & Nelson, E.L. (2016, March). Social laterality in spider monkeys: A test of the cerebral dominance hypothesis. Oral presentation given at FIU Graduate Scholarly Forum, Miami, FL, USA

Boeving, E.R., Bartley, J.E., Riedel, M.C., Sutherland, M., Laird, A.R. (2016, March). Neural mechanisms for reasoning and problem solving as revealed by meta-analytic connectivity modeling of the dorsal medial cortex. Poster presented at FIU Graduate Scholarly Forum, Miami, FL, USA.

Boeving, E.R. (2015, May). Task complexity elicits stronger lateralization in the spider monkey (*Ateles fusciceps rufiventris*). Oral presentation given at the Center for Children & Families Speaker Series, Florida International University, Miami, FL, USA.

Boeving, E.R. & Nelson, E.L. (2015, April). Task complexity elicits stronger lateralization in the spider monkey (*Ateles fusciceps rufiventris*). Oral presentation given at the 22nd Annual International Conference on Comparative Cognition, Melbourne, FL, USA.

Boeving, E.R. & Nelson, E.L. (2015, February). Social laterality in captive spider monkeys (*Ateles fusciceps rufiventris*). Oral presentation given at the South Florida Primate Group Meeting, Boca Raton, FL, USA.

Boeving, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & Nelson, E.L. (2014, October) Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not

rhesus monkeys (*Macaca mulatta*). Poster presented at the 2014 FIU Psychology Research Forum, Miami, FL

Boevig, E.R., Lacreuse, A., Hopkins, W.D., Phillips, K.A., Novak, M.A., & Nelson, E.L. (2014, August). Handedness influences intermanual transfer in chimpanzees (*Pan troglodytes*) but not rhesus monkeys (*Macaca mulatta*). Poster presented at the 37th annual meeting for the American Society of Primatologists, Decatur, GA, USA.

Boevig, E.R., Shender, M.A., Wagner, K.E., Ross, S.R. (2013). *A behavioral evaluation of pregnant zoo-housed gorillas (Gorilla gorilla gorilla)*. Poster presented at the American Society of Primatologists 36th Annual Meeting, San Juan, Puerto Rico

Boevig, E.R. (2013). *Plasticity of communication with regard to captive space-use and terrain*. Poster presented at Chicago Zoological Society's 2nd Zoo Animal Welfare Symposium, Brookfield Zoo, IL, USA

Boevig, E.R. (2013). *The plasticity of communication: A comparison of vocal and gestural communication in a colony of arboreal and terrestrial primates with regard to space-use and terrain*. Poster presented at Central States Anthropological Society Annual Meeting, St. Louis, Missouri, USA

Barnes, J., Sheskin M., **Boevig, E.R.**, and Santos, L. (2009). *Helping behavior in capuchin monkeys (C. apella)*. Poster presented at The Primate Mind: Built to Connect to Other Minds, Erice, Sicily

Barnes, J., **Boevig, E.R.**, Sheskin, M., Santos, L. (2008). *Helping behavior in C. apella*. Presented at the Evolution of Social Psychology Conference, Yale University

Boevig, E.R. (2007). *Laterality and hand preference in a colony of free ranging C. capucinus*. Presented at Scholars Day, Ouachita Baptist University

Boevig, E.R. (2006). *Hand preference in a colony of M. nigra*. Poster presented at Scholars Day, Ouachita Baptist University, Arkadelphia, Arkansas, USA

Boevig, E.R. (2006). *Hand preference in a colony of M. nigra*. Presented at the Arkansas Symposium of Psychological Science, Little Rock, Arkansas, USA

AWARDS

2016 1st Place, FIU Graduate Scholarly Forum, Division of Education

TEACHING EXPERIENCE

Florida International University

Teaching Assistant

Spring 2016 Genes, Brain, & Behavior
Spring 2016 Research Methods
Fall 2015 Research Methods
Sum 2015 Biopsychology
Spring 2015 Animal Cognition
Spring 2015 Senior Seminar: Measuring Animal Behavior
Fall 2014 Senior Seminar: Measuring Animal Behavior

Guest Lecture

Spring 2016 Primate Biology: Quantifying Social Behavior
Fall 2014 Senior Seminar: Measuring Animal Behavior (Captive Experiments)

RESEARCH EXPERIENCE

2015- **ABCD Graduate Research Assistant**, Department of Psychology, Neuroinformatics and Brain Connectivity Lab & Center for Imaging Science, Florida International University (Miami, Florida)

2014-2015 **Graduate Research Assistant**, Department of Psychology, HANDS Lab, Psychology Department, Florida International University (Miami, Florida)

2012-2014 **Research Assistant**, Lester E. Fisher Center for the Study and Conservation of Apes, Lincoln Park Zoo (Chicago, Illinois)

2011 **Intern**, Clinton Foundation (Little Rock, Arkansas)

2009-2010 **Graduate Research Assistant**, Department of Anthropology, Durham University (Durham, United Kingdom)

2008 **Research Assistant**, Department of Psychology, Comparative Cognition Laboratory, Yale University (New Haven, Connecticut)

2007 **Research Assistant**, Department of Biology, State University of New York (Oneonta, New York)

2007 **Research Assistant**, El Zota Biological Field Station (Limon, Costa Rica)

2007 **Field Course Participant**, El Zota Biological Field Station (Limon, Costa Rica)

2006 **Intern**, Department of Psychology, Comparative Cognition Laboratory, Yale University (New Haven, Connecticut)

2006 **Research Assistant**, Department of Psychology, Ouachita Baptist University (Arkadelphia, Arkansas)

2005 **Field Course Participant**, El Zota Biological Field Station (Limon, Costa Rica)

ADVANCED SKILLS & TRAINING

EGI EEG Administration & Data Acquisition Training
Brain Meta-analysis
Social Network Analysis (SNA)
fMRI data acquisition
Behavioral data acquisition and coding (human, non-human primates)
Proficiency in R statistical programming
Experimental design and paradigm implementation (non-human primates)

FUNDING

2016- NIH (RISE) Biomedical Research Initiative, \$3,000, unfunded

2016-Edward & Rita Girden Cognitive Neuroscience Scholarship, \$1,000, unfunded

2014- American Society of Primatologists Research Grant, \$1,500, unfunded

PROFESSIONAL SERVICE

2016- Undergraduate Research Coordinator, Neuroinformatics & Brain Connectivity Lab, Florida International University, Miami, FL

2013-2015-Program Committee Member and Reviewer, American Society of Primatologists

PROFESSIONAL AFFILIATIONS

2012- American Society of Primatologists

2006- International Primatological Society

2014- Comparative Cognition Society

2015- Society for Social Neuroscience

2016- Organization for Human Brain Mapping