

JAMIE L. RUSSELL

Yerkes National Primate Research Center
954 Gatewood Rd. NE, Atlanta, GA, 30329
Webpage: <http://webdrive.service.emory.edu/users/whopkin/index.html>

Lab Phone: 404-727-3696
E-mail: jlcox@emory.edu

EDUCATION & RELATED PROFESSIONAL TRAINING:

- 1998 McEachern High School,
Powder Springs, Georgia
Graduated with honors
- 2001 Berry College,
Mt. Berry, Georgia
Bachelor of Science
Major: Psychology
Minor: Family Studies
- 2003 Radiation Safety Training Seminar
Emory University
Atlanta, Georgia
- 2003 Primate Training and Enrichment Workshop
M.D. Anderson Cancer Research Center
Bastrop, Texas
- 2004 Advanced Primate Training and Enrichment Workshop
Yerkes National Primate Research Center
Atlanta, Georgia

RESEARCH EXPERIENCE:

- August 2006-present Senior Research Specialist, Yerkes National Primate Ctr.
Principle Investigator: William D. Hopkins, Ph.D.
Coordinate and direct data collection for 3 NIH-funded grants studying communication and cognition in chimpanzees. Train and supervise research assistants and undergraduates. Oversee daily lab activities. Design and implement behavioral management program for study subjects.
- May 2005-July 2006 Lead Research Specialist, Yerkes National Primate Ctr.
Principle Investigator: William D. Hopkins, Ph.D.

Train chimpanzees for voluntary cooperation in a study involving positron emission tomography (PET). Train and supervise research assistants and undergraduates. Oversee daily lab activities.

January 2002-April 2005 Research Specialist, Yerkes National Primate Research Ctr.
Principle Investigator: William D. Hopkins, Ph.D.
Collect and code behavioral data on laterality and cognition in chimpanzees.

January 2002- April 2005 Research Assistant, Language Research Ctr., Georgia St Univ.
Principle Investigator: William D. Hopkins, Ph.D.
Conduct computerized cognitive testing of language-trained chimpanzees.

PUBLICATIONS:

- Hopkins, W. D., Cantalupo, C., Freeman, H., **Russell, J.**, Kachin, M., & Nelson, E. (2005). Chimpanzees are right-handed when recording bouts of hand use. *Laterality*, *10*, 149-159.
- Hopkins, W. D., **Russell, J.**, Cantalupo, C., Freeman, H., & Schapiro, S. (2005). Factors influencing the prevalence and handedness for throwing in captive chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology*, *119*(4), 363-370.
- Hopkins, W. D., **Russell, J.**, Freeman, H., Buehler, N., Reynolds, E., & Schapiro, S. (2005a). The distribution and development of handedness for manual gestures in captive chimpanzees (*Pan troglodytes*). *Psychological Science*, *16*(6), 487.
- Hopkins, W. D., **Russell, J. L.**, Freeman, H., Buehler, N., Reynolds, E., & Schapiro, S. J. (2005b). The distribution and development of handedness for manual gestures in captive chimpanzees (*Pan troglodytes*). *Psychological Science*, *16*(6), 487-493.
- Hopkins, W. D., **Russell, J.**, Hook, M., Braccini, S., & Schapiro, S. (2005). Simple reaching is not so simple: Association between hand use and grip preferences in captive chimpanzees. *International Journal of Primatology*, *26*(2), 259-277.
- Leavens, D. A., **Russell, J. L.**, & Hopkins, W. D. (2005). Intentionality as measured in the persistence and elaboration of communication by chimpanzees (*Pan troglodytes*). *Child Development*, *76*(1), 291-306.
- Russell, J. L.**, Braccini, S., Buehler, N., Kachin, M. J., Schapiro, S. J., & Hopkins, W. D. (2005). Chimpanzees (*Pan troglodytes*) intentional communication is not contingent upon food. *Animal Cognition*, *8*(4), 263-272.
- Hopkins, W. D., **Russell, J. L.**, Freeman, H. D., Reynolds, E. A. M., Griffis, C., & Leavens, D. A. (2006). Lateralized scratching in chimpanzees (*Pan troglodytes*): Evidence of a functional asymmetry during arousal *Emotion*, *6*(4), 553-599.
- Hopkins, W. D., Wesley, M. J., **Russell, J. L.**, & Schapiro, S. J. (2006). Parental and perinatal factors influencing the development of handedness in captive chimpanzees. *Developmental Psychobiology*, *48*, 428-435.

- Hopkins, W. D., **Russell, J. L.**, & Cantalupo, C. (2007). Neuroanatomical correlates of handedness for tool use in chimpanzees (*Pan troglodytes*): Implication for theories on the evolution of language. *Psychological Science*, *18*(11), 971-977.
- Hopkins, W. D., **Russell, J. L.**, Lambeth, S., & Schapiro, S. J. (2007). Handedness and neuroanatomical asymmetries in captive chimpanzees: A summary of 15 years of research. In W. D. Hopkins (Ed.), *Evolution of hemispheric specialization in primates* (pp. 112-135). London: Academic Press.
- Hostetter, A. B., **Russell, J. L.**, Freeman, H., & Hopkins, W. D. (2007). Now you see me, now you don't: evidence that chimpanzees understand the role of the eyes in attention. *Animal Cognition*, *10*, 55-62.
- Tagliatalata, J. P., **Russell, J. L.**, Schaeffer, J. A., & Hopkins, W. D. (2008). Communicative signaling activates "Broca's" homologue in chimpanzees. *Current Biology*, *18*, 343-348.
- Tagliatalata, J. P., **Russell, J. L.**, Schaeffer, J. A., & Hopkins, W. D. (in press). Visualizing vocal perception in the chimpanzee brain. *Cerebral Cortex*.
-

PRESENTATIONS

- Russell, J.L.**, Freeman, H.D., Schapiro, S., & Hopkins, W.D. (2004). Chimpanzee handedness: Throwing out the first pitch. Poster presentation at the American Society of Primatologists annual meeting, Madison, WI, USA.
- Russell, J.L.**, Freeman, H.D., Reynolds, E., & Hopkins, W.D. (2005). Asymmetrical scratching in chimpanzees (*Pan troglodytes*). Poster presentation at the American Society of Primatologists annual meeting, Portland, OR, USA.
- Russell, J.L.**, Tagliatalata, J.P., Hopkins, W.D. (2006). The use of positive reinforcement training in chimpanzees (*Pan troglodytes*) for voluntary presentation for IM injections. Poster presentation at the American Society of Primatologists annual meeting, San Antonio, TX, USA.
- Russell, J.L.**, Hopkins, W.D., Remkus, M., Schapiro, S.J. (2006). Handedness and grooming in chimpanzees (*Pan troglodytes*): Comparative analysis between findings in captive and wild individuals. Paper presented at the International Society of Primatologists annual meeting, Entebbe, Uganda.
- Russell, J.L.** (2007). My education beyond Berry College: What chimpanzees have taught me. Oral presentation at the Berry College Psychology Lecture Series, Mt. Berry, GA, USA.
- Russell, J.L.**, Schaeffer, J.A., Hopkins, W.D. (2007). Hand use for simulated "termite fishing" in captive chimpanzees (*Pan troglodytes*) replicates results from the wild. Poster presentation at the American Society of Primatologists annual meeting, Winston-Salem, NC, USA.
- Russell, J.L.**, Hopkins, W.D. (2008). Manual motor skill is associated with oro-facial control of vocal signals in chimpanzees (*Pan troglodytes*): Implications for theories on the origins of speech. Poster presentation at the American Society of Primatologists annual meeting, West Palm Beach, FL, USA.
- Leavens, D. A., Hopkins, W. D., Tagliatalata, J., & **Russell, J. L.** (2008). Ape performatives: "Declaratives" and other imperative acts. Paper presented at the XVIth Biennial Conference on Infant Studies, Vancouver, B.C., Canada.
-

ORGANIZER

Coordinated the Advanced Primate Training and Enrichment Workshop (Nov. 3-7, 2004), a four and a half day workshop focused on teaching colony managers, veterinarians, researchers, and zoo keepers the steps to effectively developing, implementing, and assessing a behavioral management plan for captive non-human primate colonies. Workshop hosted by the Yerkes National Primate Research Center and Zoo Atlanta.