

Accepted Manuscript

Title: Motor Skill for Tool-Use is Associated with Asymmetries in Broca's Area and the Motor Hand Area of the Precentral Gyrus in Chimpanzees (*Pan troglodytes*)

Author: Dr. William D. Hopkins Adrien Meguerditchian
Olivier Coulon Maria Misiura Sarah Pope Mary Catherine
Mareno Steven J. Schapiro



PII: S0166-4328(16)30974-3
DOI: <http://dx.doi.org/doi:10.1016/j.bbr.2016.10.048>
Reference: BBR 10536

To appear in: *Behavioural Brain Research*

Received date: 22-4-2016
Revised date: 27-10-2016
Accepted date: 31-10-2016

Please cite this article as: Hopkins William D, Meguerditchian Adrien, Coulon Olivier, Misiura Maria, Pope Sarah, Mareno Mary Catherine, Schapiro Steven J. Motor Skill for Tool-Use is Associated with Asymmetries in Broca's Area and the Motor Hand Area of the Precentral Gyrus in Chimpanzees (*Pan troglodytes*). *Behavioural Brain Research* <http://dx.doi.org/10.1016/j.bbr.2016.10.048>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Motor Skill for Tool-Use is Associated with Asymmetries in
Broca's Area and the Motor Hand Area of the Precentral Gyrus in
Chimpanzees (*Pan troglodytes*)

William D. Hopkins^{1,2}, Adrien Meguerditchian³, Olivier Coulon⁴, Maria Misiura¹, Sarah
Pope¹, Mary Catherine Maren⁵, & Steven J. Schapiro⁵

¹ Neuroscience Institute and Language Research Center

Georgia State University

Atlanta, Georgia 30302

² Division of Developmental and Cognitive Neuroscience

Yerkes National Primate Research Center

954 Gatewood Road

Atlanta, Georgia 30029

³ Laboratory of Cognitive Psychology, UMR 7290, Aix-Marseille University, CNRS,

Marseille, France.

⁴ Aix-Marseille Université, LSIS, UMR CNRS 7296, Marseille, France

⁵ Department of Veterinary Sciences

The University of Texas MD Anderson Cancer Center

Bastrop, Texas 78602

Download English Version:

<https://daneshyari.com/en/article/5735580>

Download Persian Version:

<https://daneshyari.com/article/5735580>

[Daneshyari.com](https://daneshyari.com)