

**Emotion Processing Influences Working Memory Circuits in Pediatric Bipolar Disorder and
Attention Deficit Hyperactivity Disorder**

Alessandra M. Passarotti^{*}, Ph.D., John A. Sweeney, Ph.D., Mani N. Pavuluri, M.D., Ph.D.

Institute for Juvenile Research and Center for Cognitive Medicine, University of Illinois at Chicago. Dr Sweeney is
with the Center for Cognitive Medicine.

Abstract words: 250

Text words: 7,581

Figures: 2

Tables: 3

Supplementary Material: Appendix A (Table 4)

Keywords: Functional magnetic resonance imaging (fMRI); pediatric bipolar disorder; ADHD; working memory; emotion.

*Correspondence to Alessandra M Passarotti, Ph.D., Institute for Juvenile Research and Center for Cognitive Medicine, University of Illinois at Chicago, 1747, West Roosevelt Road, M/C 747, Chicago, IL 60608; E-mail: apassarotti@psych.uic.edu

Acknowledgements

We thank the children and families who participated in this study. Thanks also to Ms Erin Harral of the University of Illinois at Chicago for her help with subject testing and data processing. This work is supported by NIH K23 RR18638-01, the Dana Foundation and NARSAD.