

Robert R. Hampton, Emory University and Yerkes National Primate Center, Atlanta, Georgia



Cognitive monitoring and cognitive control in monkeys

A potential function of metacognitive monitoring is to provide dynamic feedback on the status of ongoing cognitive processes to optimize cognitive control of those processes. Most of the work investigating metacognition in nonhumans has focused on the monitoring side of this interaction while minimizing the role that feedback based cognitive control might have on cognition. For example, metacognitive monitoring has been inferred when monkeys exert cognitive control in minimal ways, such as by avoiding tests or seeking information when ignorant. I will describe experiments from our lab in which we have begun to test whether metacognitive monitoring and control might interact in more dynamic ways in the contexts of recognition, working memory, and discrimination.