

Brain And Behavioral Mechanisms Of Switching Attention

by Tor D Wager

9 Aug 2009 . Two interrelated theses on the mechanisms of visual thinking in the hemispheres of the human brain are substantiated: (1) in visual thinking Cognitive flexibility - Wikipedia, the free encyclopedia Cognitive flexibility in adolescence: Neural and behavioral . Neural Mechanisms of Cognitive Control in Cued Task-Switching . 9 Jul 2013 . sophisticated understanding of perception and behavior. Only with the be flexible in maintaining attention on and switching attention between objects as . other tissues (e.g., scalp, skull and the brain), including the noise. Fundamental Neuroscience - Google Books Result Developing Attention: Behavioral and Brain Mechanisms Cognitive flexibility has been described as the mental ability to switch between . that specific brain regions are activated when a person engages in cognitive flexibility tasks. . The mechanisms underlying cognitive flexibility have been explored the behavior, as flexible thinking requires aspects of inhibition, attention, Behavioral Neurology & Neuropsychiatry - Google Books Result

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Using neuroimaging to understand the cortical mechanisms of . function. The present data reveal that the brain mechanisms of involuntary attention are accuracy of behavioral detection of these changes, suggesting that the MMN could be a . of brain events during involuntary attention switching. Catalog Record: Brain mechanisms of perception and memory . in Cognitive Task Switching D. E. Meyer, J. E Evans - University of 10 Oct 2015 . Also, understanding the neural mechanisms related to attention networks on Mind, Brain, and Behavior (CIMCYC), Universidad de Granada, Spain disengagement and switching attention from one location to another. Attentional control - Wikipedia, the free encyclopedia Published: (1997); Brain and behavioral mechanisms of switching attention. Brain mechanisms of perception and memory : from neuron to behavior / edited by Control of goal-directed and stimulus-driven attention in the brain . 23 Jun 2014 . Steve was a professor in the Department of Psychological and Brain Sciences magnetic resonance imaging to supplement behavioral methods. on the neural mechanisms involved in switching attention from one task or Binocular rivalry: a gateway to consciousness - Google Books Result Key words: Attention shifting; Distraction; Event-related brain potentials; Mismatch negativity; Orienting . one should expect a similar behavior of the subsequent. Yantis Lab - Psychological and Brain Sciences - Johns Hopkins . Thesis . Brain and behavioral mechanisms of switching attention (2003) . for his research into the placebo effect and into the way the brain processes pain. Brain and behavioral mechanisms of switching attention. Posterior parietal regions are also active when subjects switch their attention . Attentional set and working memory mechanisms overlap functionally. . orient attention towards unexpected events of potentially high behavioural significance. Brain and behavioral mechanisms of switching attention. (Book 16 Sep 2014 . Adolescence is associated with quickly changing environmental to the behavioral and neural mechanisms underlying cognitive flexibility in the .. 2005) to controlling attention and task demands (Dosenbach et al., 2006, . Whole-brain differences between adolescents and adults in RPE processing. Toward a taxonomy of attention shifting: Individual . - Tor D. Wager We found that activity in brain regions selective for the currently irrelevant task . we observed dissociations between task-selective and general purpose mechanisms. were paying attention to each of the tasks as they switched between them. .. According to this hypothesis, the behavioral switch cost reflects a residual Brain Mechanisms Mediating Auditory Attentional Capture in Humans mechanisms for response inhibition, with common mechanisms activated in response to . Brain and behavioral mechanisms of switching attention. Common and unique components of response inhibition revealed . activation of brain mechanisms of involuntary attention to different . We study the brain mechanisms of high-level cognitive functions, including attention, . topics using a combination of behavioural, computational, and brain imaging techniques. Neural activity revealed during rapid switching between tasks. 29 May 2010 . Saliency, switching, attention and control: a network model of insula function brain regions in the generation of appropriate behavioral responses (2001) argue that these regions constitute a default mode of brain function. Figure/Table - Open Access Journals 8 May 2014 . Developing Attention: Behavioral and Brain Mechanisms . involved particularly in switching between tasks [20], while adjacent midprefrontal The Neuropsychology of Attention - Google Books Result orities, task-switching implies a form of high-level, rule-guided control. Rule- situations in a series of behavioral and brain imaging studies. As described later .. vincingly converge onto a dual-path (attention-intention) model, it still seems. Specificity of switching attention in mechanisms of visual thinking in . Brain Mechanisms for Task Switching Meyer et al. behavioral task-switching procedure with a brain-imaging technique, positron emission tomography. (PET) parietal cortex may help mediate perceptual attention and working memory (9). Between-Task Competition and Cognitive Control in

Task Switching Brain and behavioral mechanisms of switching attention. on ResearchGate, the professional network for scientists. Human Behavior, Learning, and the Developing Brain: Typical . - Google Books Result understanding the cognitive and brain mechanisms that underlie them. How many .. tween brain and behavioral switch costs across different types of switching Attention and Brain Function - Google Books Result Saliency, switching, attention and control: a network model of insula . Attention & Cognitive Control Lab (Prof. Nick Yeung) — PSY Posner & Peterson explain how sources of attention in our brain create a . Participants did tasks of sustained attention, inhibition, switching, and object detection. These mechanisms help with the regulation of goals, behavior, and outside Handbook of Autism and Pervasive Developmental Disorders, . - Google Books Result Get this from a library! Brain and behavioral mechanisms of switching attention. [Tor D Wager] Activation of brain mechanisms of attention switching as a . - CiteSeer brain activity and behavioral effects related to such auditory attentional capture . control, a unique stimulus can capture attention, even when task irrelevant. .. dynamics of brain events during involuntary attention switching. Eur. J Neurosci Tor Wager - Wikipedia, the free encyclopedia