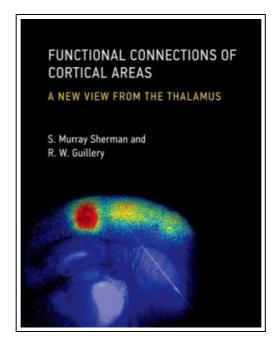
Functional Connections of Cortical Areas: A New View from the Thalamus (Hardback)



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Reviews

Merely no phrases to describe. Better then never, though i am quite late in start reading this one. Its been written in an extremely easy way which is merely following i finished reading this publication through which in fact transformed me, change the way in my opinion. (Pedro Renner)

FUNCTIONAL CONNECTIONS OF CORTICAL AREAS: A NEW VIEW FROM THE THALAMUS (HARDBACK)



MIT Press Ltd, United States, 2013. Hardback. Condition: New. Language: English. Brand New Book. Two leading authorities on thalamocortical connections consider how the neural circuits of the brain relate to our actions and perceptions. In this book, two leading authorities on the thalamus and its relationship to cortex build on their earlier findings to arrive at new ways of thinking about how the brain relates to the world, to cognition, and behavior. Based on foundations established earlier in their book Exploring the Thalamus and Its Role in Cortical Function, the authors consider the implications of these ground rules for thalamic inputs, thalamocortical connections, and cortical outputs. The authors argue that functional and structural analyses of pathways connecting thalamus and cortex point beyond these to lower centers and through them to the body and the world. Each cortical area depends on the messages linking it to body and world. These messages relate to the way we act and think; each cortical area receives thalamic inputs and has outputs to motor centers. Sherman and Guillery go on to discuss such topics as the role of branching axons that carry motor instructions as well as copies of these motor instructions for relay to cortex under the control of the thalamic gate. This gate allows the thalamus to control the passage of information on the basis of which cortex relates to the rest of the nervous system.



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