



Percept, Decision, Action: Bridging the Gaps (Hardback)

By Novartis Foundation

John Wiley and Sons Ltd, United Kingdom, 2006. Hardback. Condition: New. 1. Auflage. Language: English . Brand New Book. Seemingly simple behaviours turn out, on reflection, to be discouragingly complex. For many years, cognitive operations such as sensation, perception, comparing percepts to stored models (short-term and long-term memory), decision-making and planning of actions were treated by most neuroscientists as separate areas of research. This was not because the neuroscience community believed these operations to act independently-it is intuitive that any common cognitive process seamlessly interweaves these operations-but because too little was known about the individual processes constituting the full behaviour, and experimental paradigms and data collection methods were not sufficiently well developed to put the processes in sequence in any controlled manner. These limitations are now being overcome in the leading cognitive neuroscience laboratories, and this book is a timely summary of the current state of the art. The theme of the book is how the brain uses sensory information to develop and decide upon the appropriate action, and how the brain determines the appropriate action to optimize the collection of new sensory information. It addresses several key questions. How are percepts built up in the cortex and how are...



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