This text addresses the basic neuroscience of how the brain controls the focus of
attention, and how this focused attention influences sensory and motor processes.
This volume will provide the reader with a selection of the models, mechanisms
and findings in the neuroscience of attentional control and selection from leading
authorities working in human and animal models, and incorporating a array of
neuroscience methods from single neuron recordings to functional brain imaging,
and advanced modeling.

The book begins with contributions that describe attentional selection, relying
largely on evidence from attention in vision. Subsequent chapters address
attentional control mechanisms in cortical and subcortical brain networks. Finally,
the role of attention in action, short-term memory, and emotion are discussed.