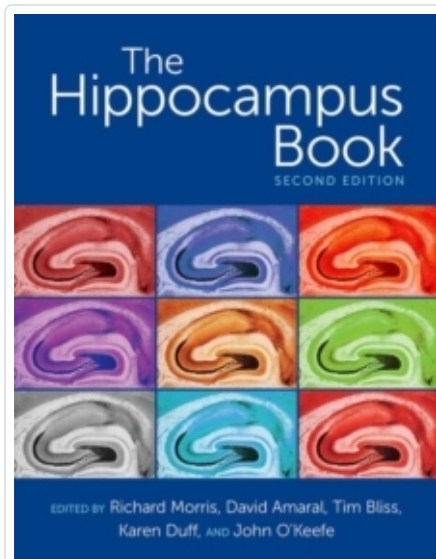


The Hippocampus Book



Varios Autores

SYNOPSIS

Long known to be important for memory, the hippocampus has been a prime focus for neuroscience research for years. This second edition of The Hippocampus Book highlights advances in our understanding of this group of brain structures and includes a new set of translational chapters concerning associated brain disorders. This edition brings together contributions by leading international experts on hippocampal anatomy, physiology, molecular biology and function with other chapters summarizing how disorders of hippocampal function contribute to several neurologic and psychiatric conditions.

Concurrently, this text illustrates how research focusing on this single brain structure has revealed principles of wider generality for the whole brain in relation to anatomical connectivity, neural and synaptic plasticity, cognition and behaviour, and computational algorithms. Covering theory, experimental data and translational relevance, this uniquely authoritative work vividly illustrates the progress that continues to be made in unravelling the workings of the brain. The Hippocampus Book will be of interest to those working in a range of neuroscientific disciplines, ranging from the molecular biology of neural function and dysfunction, through network physiology to behavior and neuropathology and take pride of place on the bookshelves of all with an interest in the brain and its functions....



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