Current Aspects of the Neurosciences

Volume 4

Current Aspects of the Neurosciences

Volume 4

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Preface

The articles in Volume 4 of *Current Aspects in the Neurosciences* have a bias towards neuropharmacology. The role of gangliosides in the central nervous system is critically discussed in two chapters, one article concentrating more on their involvement in neuroplasticity and pathology and the other on their interactions with cellular calcium. Chapters 4 to 7 deal with an animal model involving the use of pilocarpine in the inducement of seizures and its relevance to epilepsy, the way neuroleptics induce movement disorders, the way antidepressants are thought to work and the way in which the neuroendocrine system is involved in dementia.

Two techniques described relatively recently, *in situ* hybridization and the use of oocytes for characterizing receptor-mediated mechanisms, have yielded a wealth of important information. It is appropriate, therefore, that both of these procedures are dealt with in this volume.

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