Neuromuscular Junctions In Drosophila. International Review Of Neurobiology, Volume 43.

Neuromuscular Junctions in Drosophila gathers the main contributions that research using the fruit fly Drosophila melanogaster has made in the area of synapse development, synapse physiology, and excitability of muscles and nerve cells. The chapters in this book represent a synthesis of major advances in our understanding of neuronal development and synaptic physiology, which have been obtained using the above approach. This book is directed to the general neuroscience audience: researchers, instructors, graduate students, and advanced undergraduates who are interested in the mechanisms of synapse development and physiology. However, the book will also be a valuable resource for those who use the fruit fly as a model system in their laboratories. Features: Presents a synthesis of the genetic approaches used to study synaptic development and function at the neuromuscular junction, using flies as a model system Discusses major recent advances in muscle development, pathfinding, synapse maturation and plasticity, exo- and endocytosis, and ion channel function Uses clear language understandable by readers not already familiar with the system Includes numerous diagrams summarizing molecules and genes involved in the above processes Provides extensive use of references EAN/ISBN : 9780080857770 Publisher(s): Elsevier Science & Technology, Academic Press Format: ePub/PDF Author(s): Budnik, L.Sian Vivian - Gramates

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