

1. Record Nr.	UNINA9910962301303321
Titolo	Secretory systems and toxins // edited by Michal Linial, Alfonso Grasso and Philip Lazarovici
Pubbl/distr/stampa	Amsterdam : , : Harwood Academic Publishers, , 1998
ISBN	1-04-019029-4 0-429-07777-7 1-4822-8342-5 1-280-07992-4 9786610079926 0-203-30429-2
Edizione	[1st ed.]
Descrizione fisica	1 online resource (500 p.)
Collana	Cellular and molecular mechanisms of toxin action, , 1026-4078 ; ; v. 2
Altri autori (Persone)	GrassoAlfonso LazaroviciPhilip LinialMichal
Disciplina	571.79
Soggetti	Secretion Toxins Neurotoxic agents
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Book Cover; Title; Contents; Preface to the Series; Preface; Contributors; Synaptic Vesicle Proteins: A Molecular Study; Synaptic Vesicle Proteins: A Genetic Approach; Dissection of the Secretory Machinery; Vesicular Trafficking on the Late Secretory Pathway in the Budding Yeast, <i>S. Cerevisiae</i> : Yeast as a Genetic Tool in Which to Explore Protein Export; Regulatory Roles for Lipids in Vesicle Trafficking and Secretion; Fusion Proteins and the Fusion Events; Tetanus Toxin as a Valuable Pharmacological Tool for Studying Polysialogangliosides in Neuronal Signal Transduction Molecular Mechanisms of the Action of Clostridium Botulinum Type B Neurotoxin-Latrotoxin Receptors; Neurotoxins and Safety-Latches of the Secretory Process; Bacterial Neurotoxins in Invertebrates: Aplysia and the Deciphering of the Mode of Action of Clostridial Neurotoxins; Chromaffin Cells as a Secretory System: The Use of Neurotoxins;

External Ions and -Latrotoxin Action; Botulinum Neurotoxins and their Substrates; Clostridial Neurotoxins as Enzymes: Structure and Function; Purification, Function and Selectivity in -Latrotoxin Neurotoxins, Cytoskeletons and Calcium Channels: Functional Studies at Mammalian Synapses Formed in CultureThe Synapsins and Neurotransmission; Morphological Studies of the Secretory Machinery Using Neurotoxin Probes; Membrane Fusion Protein Annexin VII: A  $\text{Ca}^{2+}$ -Activated GTPase Target for Mastoparan in Secreting Chromaffin Cells; Glossary; Index

---

Sommario/riassunto

This volume deals with the relationships between toxins and one of the most fundamental processes in any living cell - the secretory cycle. The reader will find up-to-date information on secretion, generated by experts in this fast evolving field. In the last decade extensive molecular and cellular studies have exposed the molecular similarity among most known secretory systems. In this book secretion is discussed from its basic mode found in yeast up to its most sophisticated version in neurotransmitter release in nerve terminals. A comprehensive view on the mode of action of toxins which blo

---