

1. Record Nr.	UNINA9910787866603321
Autore	Wang Zhao-Wen
Titolo	Biosolids Engineering and Management [[electronic resource]]
Pubbl/distr/stampa	Dordrecht, : Springer, 2010
Descrizione fisica	1 online resource (353 p.)
Collana	Contemporary Neuroscience
Disciplina	573.854 628.3/64
Soggetti	Sewage -- Purification Sewage sludge
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	Molecular Mechanisms of Neurotransmitter Release; Preface; Contents; Contributors; Chapter 1: The Architecture of the Presynaptic Release Site; Chapter 2: Multiple Modes of Fusion and Retrieval at the Calyx of Held Synapse; Chapter 3: Roles of SNARE Proteins in Synaptic Vesicle Fusion; Chapter 4: Roles and Sources of Calcium in Synaptic Exocytosis; Chapter 5: Regulation of Presynaptic Calcium Channels; Chapter 6: Synaptotagmin: Transducing Ca <sup>2+</sup> -Binding to Vesicle Fusion; Chapter 7: Functional Interactions Among the SNARE Regulators UNC-13, Tomosyn, and UNC-18 Chapter 8: Roles of the ELKS/CAST Family and SAD Kinase in Neurotransmitter Release Chapter 9: The Role of Potassium Channels in the Regulation of Neurotransmitter Release; Chapter 10: Modulation of Neurotransmitter Release and Presynaptic Plasticity by Protein Phosphorylation; Chapter 11: Synaptic Vesicle Endocytosis; Chapter 12: Lipids and Secretory Vesicle Exocytosis; Chapter 13: Neurotransmitter Reuptake and Synaptic Vesicle Refilling; Chapter 14: Regulation of Neurotransmitter Release by Presynaptic Receptors Chapter 15: Transsynaptic Regulation of Presynaptic Release Machinery in Central Synapses by Cell Adhesion Molecules Chapter 16: Differential Regulation of Small Clear Vesicles and Large Dense-Core Vesicles; Index
Sommario/riassunto	Within the complex neuronal network of the nervous system, neuron-

to-neuron communication occurs mainly through chemical synapses, where the presynaptic nerve terminal releases neurotransmitters which control the function of postsynaptic neurons by acting on postsynaptic receptors. Recent decades have brought ground-breaking new developments and a wealth of knowledge to this field. In 'Molecular Mechanisms of Neurotransmitter Release', leading experts provide concise, up-to-date information on all major molecular mechanisms involved, with complete background information and figures and diagram

---