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## Sommario/riassunto

The Golgi apparatus is an organelle found in most eukaryotic cells. The primary function of the Golgi apparatus is to process and package macromolecules, such as proteins and lipids, after their synthesis and before they make their way to their destination. This book presents topical research data in the study of Golgi apparatus, including Golgi organisation and stress sensing, signalling pathways controlling mitotic Golgi breakdown in mammalian cells, the role of Golgi apparatus in the biological mechanisms of hypericin-mediated photodynamic therapy, the role of the Trans-Golgi Network (TGN) in the sorting of nonenzymic lysosomal proteins, and the mechanisms involving the role of Golgi apparatus alteration in neurological disorders triggered by manganese.

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