

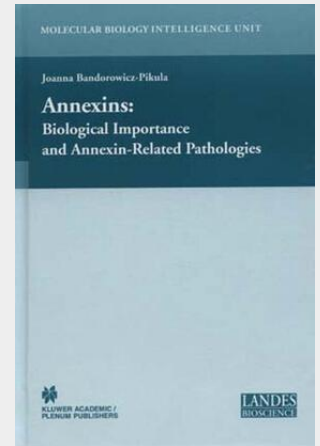
Bandorowicz-Pikula

Annexins

Biological Importance and Annexin-Related Pathologies

The Annexins is focused on a specific family of calcium and membrane-binding proteins, annexins, ubiquitously spread within living organisms, including animals, plants and fungi. The volume covers important areas of annexinology. The characterization of structural-functional relationship within the annexin family of proteins, together with emerging transgenic animal models, provides an up-to-date overview of potential physiological roles of annexins. Growing evidence of participation of annexins in human diseases, called annexinopathies, related to disturbances in signal transduction, vesicular traffic, ion homeostasis and energy metabolism within the cell. The book will attract a broad scientific audience, not only scientists interested in annexins, but also others involved in multidisciplinary studies, as well as undergraduate and postgraduate students. It can be used in courses relating to special topics such as calcium homeostasis, calcium-binding proteins, membrane structure and transport properties, various signal transduction pathways, and membrane trafficking.

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