



The Next Generation in Membrane Protein Structure Determination (Hardback)

By -

Springer International Publishing AG, Switzerland, 2016. Hardback. Condition: New. 1st ed. 2016. Language: English . Brand New Book ***** Print on Demand *****.This book reviews current techniques used in membrane protein structural biology, with a strong focus on practical issues. The study of membrane protein structures not only provides a basic understanding of life at the molecular level but also helps in the rational and targeted design of new drugs with reduced side effects. Today, about 60 of the commercially available drugs target membrane proteins and it is estimated that nearly 30 of proteins encoded in the human genome are membrane proteins. In recent years much effort has been put towards innovative developments to overcome the numerous obstacles associated with the structure determination of membrane proteins. This book reviews a variety of recent techniques that are essential to any modern researcher in the field of membrane protein structural biology. The topics that are discussed are not commonly found in textbooks. The scope of this book includes: Expression screening using fluorescent proteins The use of detergents in membrane protein research The use of NMR Synchrotron developments in membrane protein structural biology Visualisation and X-ray data collection of microcrystals X-ray diffraction data analysis from multiple crystals Serial millisecond crystallography Serial...



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Reviews

Thorough guide! Its this sort of very good study. Yes, it really is play, nonetheless an interesting and amazing literature. You may like the way the blogger create this ebook.

-- **Dameon Hettinger**

An exceptional book and also the font utilized was intriguing to read. This is for all who statte there was not a worth reading. It is extremely difficult to leave it before concluding, once you begin to read the book.

-- **Prof. Tyson Hilpert**