



membranes



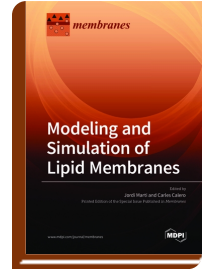
Special Issue Reprint

Modeling and Simulation of Lipid Membranes

www.mdpi.com/books/reprint/5899

Edited by
Jordi Marti
Carles Calero

ISBN 978-3-0365-4937-8 (Hardback)
ISBN 978-3-0365-4938-5 (PDF)



Cell membranes are complex structures able to contain the main elements of the cell and to protect them from the external surroundings, becoming the most fundamental interface in Biology. The main subject of this book is the study of the structure and characteristics of lipid membranes in a wide variety of environments, ranging from simple phospholipid membranes to complex systems including proteins, peptides, or oncogenes as well as the analysis of the interactions of the membrane components with small molecules and drugs. The scope of this book is to provide recent developments on membrane structure, composition and function by means of theoretical and experimental techniques, some of them combining computer simulations with available data obtained at the laboratory. This Special Issue aims to report brand new key contributions to the field and also to give an overview about the connection between experiments and computer simulations, addressing fundamental aspects and applied research in biological membranes, with particular attention paid to the applications of computer modeling and simulation to medicine.



Order Your Print Copy
You can order print copies at
www.mdpi.com/books/reprint/5899

MDPI Books offers quality open access book publishing to promote the exchange of ideas and knowledge in a globalized world. MDPI Books encompasses all the benefits of open access – high availability and visibility, as well as wide and rapid dissemination. With MDPI Books, you can complement the digital version of your work with a high quality printed counterpart.



Open Access

Your scholarly work is accessible worldwide without any restrictions. All authors retain the copyright for their work distributed under the terms of the Creative Commons Attribution License.



Author Focus

Authors and editors profit from MDPI's over two decades of experience in open access publishing, our customized personal support throughout the entire publication process, and competitive processing charges as well as unique contributor discounts on book purchases.



High Quality & Rapid Publication

MDPI ensures a thorough review for all published items and provides a fast publication procedure. State-of-the-art research and time-sensitive topics are released with a minimum amount of delay.



High Visibility

Due to our global network and well-known channel partners, we ensure maximum visibility and broad dissemination. Title information of books is sent to international indexing databases and archives, such as the Directory of Open Access Books (DOAB), and the Verzeichnis Lieferbarer Bücher (VLB).



Print on Demand and Multiple Formats

MDPI Books are available for purchase and to read online at any time. Our print-on-demand service offers a sustainable, cost-effective and fast way to publish MDPI Books printed versions.