



Atomic Force Microscopy applied to biological systems

By Francesco Orsini

LAP Lambert Academic Publishing Apr 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x13 mm. This item is printed on demand - Print on Demand Neuware - This book describes the application of Atomic Force Microscopy (AFM) to the study of the *Xenopus laevis* oocyte plasma membrane. In particular, different sample preparation protocols developed and optimized to perform AFM investigation of both external and intracellular sides of the oocyte native plasma membrane are presented and discussed in details. AFM imaging allowed visualization and dimensional characterization of protein complexes observed on both sides of the oocyte plasma membrane. In addition, a new methodological approach based on the purification of oocyte plasma membrane by ultracentrifugation on a discontinuous sucrose gradient allowed to image oocyte membrane in a physiological-like environment as well as to identify a membrane protein, the human aquaporin 4, expressed in the oocytes thus opening interesting perspectives in the AFM investigation of heterologous proteins of relevant biomedical interest. Taken together, these results confirm the potential of AFM as a useful tool for the structural characterization of proteins in native eukaryotic membranes as well as its relevance for describing the organization of protein complexes in native biological membranes. 216 pp. Englisch.



READ ONLINE
[5.26 MB]

Reviews

This pdf is wonderful. It is definitely simplified but excitement from the 50 percent in the ebook. You wont sense monotony at at any time of your time (that's what catalogues are for relating to should you request me).

-- **Jaqueline Kerluke**

I just started looking at this pdf. It can be rally fascinating through studying period of time. Its been printed in an extremely basic way and is particularly only following i finished reading through this publication where in fact altered me, change the way i really believe.

-- **Mr. Stephan McKenzie**

Related PDFs



Memoirs of Robert Cary, Earl of Monmouth

BiblioLife. Paperback. Book Condition: New. This item is printed on demand. Paperback. 142 pages. Dimensions: 8.0in. x 5.0in. x 0.3in.The Author of the Memoirs. The Memoirs here presented to the reader may be said to combine every interest which can attach to...



Studyguide for Introduction to Early Childhood Education: Preschool Through Primary Grades by Jo Ann Brewer ISBN: 9780205491452

2011. Softcover. Book Condition: New. 6th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...



Yearbook Volume 15

RareBooksClub. Paperback. Book Condition: New. This item is printed on demand. Paperback. 58 pages. Dimensions: 9.7in. x 7.4in. x 0.1in.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without...



By the Fire Volume 1

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 130 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.By the Fire is an exciting new Bi-Monthly publication featuring new works by Stewart Felkel. Inside these pages you will...



Just So Stories

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 114 pages. Dimensions: 9.0in. x 6.0in. x 0.3in.The Just So Stories for Little Children were written by British author Rudyard Kipling. They are highly fantasised origin stories...



Studyguide for Constructive Guidance and Discipline: Preschool and Primary Education by Marjorie V. Fields ISBN: 9780136035930

2009. Softcover. Book Condition: New. 5th. 8.25 x 11 in. Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101 studyguides gives all of the outlines, highlights, and quizzes for your textbook with optional...