



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](#)
[5.38 MB]

Reviews

Completely essential read through book. It normally is not going to charge an excessive amount of. I found out this book from my dad and i advised this pdf to find out.

-- **Madelyn Douglas**

Certainly, this is the very best work by any writer. It is loaded with knowledge and wisdom I am just quickly will get a satisfaction of reading through a created publication.

-- **Donavon Okuneva**

Relevant PDFs



Sbac Test Prep: 5th Grade Math Common Core Practice Book and Full-Length Online Assessments: Smarter Balanced Study Guide with Performance Task (PT) and Computer Adaptive Testing (Cat)

Lumos Information Services, LLC, United States, 2015. Paperback. Book Condition: New. 280 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This Book Includes: Access to Online SBAC Practice Assessments Two Performance Tasks (PT) Two Computer Adaptive Tests...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Crochet: Learn How to Make Money with Crochet and Create 10 Most Popular Crochet Patterns for Sale: (Learn to Read Crochet Patterns, Charts, and Graphs, Beginner s Crochet Guide with Pictures)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Getting Your FREE Bonus Download this book, read it to the end and see BONUS: Your FREE Gift chapter after...



Hope for Autism: 10 Practical Solutions to Everyday Challenges

Seaborough Enterprises Publishing, United States, 2015. Paperback. Book Condition: New. Initial ed.. 203 x 127 mm. Language: English . Brand New Book ***** Print on Demand *****. Hope for Autism: 10 Practical Solutions to Everyday Challenges, provides answers to the many questions...