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Titolo	Gramicidin and related ion channel-forming peptides [[electronic resource] /] / [editors, Derek J. Chadwick and Gail Cardew]
Pubbl/distr/stampa	Chichester ; ; New York, : Wiley, 1999
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Descrizione fisica	1 online resource (286 p.)
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Altri autori (Persone)	ChadwickDerek CardewGail
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Soggetti	Gramicidins Ionophores Ion channels Electronic books.
Lingua di pubblicazione	Inglese
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Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	GRAMICIDIN AND RELATED ION PEPTIDES CHANNEL-FORMING; Contents; Participants; Introduction: gramicidin, a model ion channel; Correlations of structure, dynamics and function in the gramicidin channel by solid-state NMR spectroscopy; X-ray crystallographic structures of gramicidin and their relation to the <i>Streptomyces Zividuns</i> potassium channel structure; General discussion I; Design and characterization of gramicidin channels with side chain or backbone mutations; Engineering charge selectivity in alamethicin channels; Lorentzian noise in single gramicidin A channel forrnarnidiniurn currents Can we use rate constants and state models to describe ion transport through gramicidin channels?The binding site of sodium in the gramicidin A channel; The mechanism of channel formation by alamethicin as viewed by molecular dynamics simulations; General discussion I1; Ionic interactions in multiply occupied channels; Peptide

influences on lipids; Peptide-lipid interactions and mechanisms of antimicrobial peptides; Folding patterns of membrane proteins: diversity and the limitations of their prediction
Molecular basis of the charge selectivity of nicotinic acetylcholine receptor and related ligand-gated ion channels
The gramicidin-based biosensor: a functioning nano-machine; Final general discussion; Summary: what we have learned about gramicidin and other ion channels; Index of contributors; Subject Index

Sommario/riassunto

Gramicidin channels have been studied intensively for more than 25 years. They serve as model transport systems for large protein ion channels, since it is difficult to glean high-resolution structural information on the latter. This book includes contributions from virtually all the major scientists studying gramicidin channels and is the only compilation of work in this field. It discusses crystallographic, spectroscopic, electrophysiological and computational studies, especially in the light of the recent availability of high-resolution structural data, and it compares these with insight

2. Record Nr.

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Autore

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Titolo

Displacing and Displaying the Objects of Others : The Materiality of Identity and Depots of Global History

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Soggetti

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Nota di contenuto

Intro -- Contents -- Introduction -- Displacing/Displaying the Objects of Others: Towards a Holistic Approach in (Post-)Colonial Provenance Research -- Research Chapters -- The Cameroon Collection in the

Übersee- Museum: Constellations of Actors and the Consequences of Collecting -- Settler Colonialism and Collecting for Museums: The Namibia Collection in Bremen's Übersee-Museum (1880s to 1970s) -- Fighting Fictions - Producing 'Truths': Tracing the Discursive Struggles Over the 'Benin Bronzes' -- 'Trophy Colonialism' and the East African Collections in the Übersee-Museum Bremen, 1882-1939 -- Outlook -- 'Terms' of Trade, and the Acquisition of Cultural Properties. A Reflection from Tanzania on Terminology in European Museums -- Acknowledgements.

Sommario/riassunto

Displacing and Displaying the Objects of Others is a thought-provoking collection that brings together a diverse range of contributions inspired by research from the "Hamburg's (post-)colonial legacy" research center.
