

Reviews of Physiology, Biochemistry and Pharmacology

More information about this series at <http://www.springer.com/series/112>

Bernd Nilius · Pieter de Tombe ·
Thomas Gudermann · Reinhard Jahn ·
Roland Lill · Ole H. Petersen
Editors

Reviews of Physiology,
Biochemistry and
Pharmacology
174

 Springer

Editor in Chief

Bernd Nilius
Department of Cellular and
Molecular Medicine
KU Leuven
Leuven, Belgium

Editors

Pieter de Tombe
Heart Science Centre
The Magdi Yacoub Institute
Harefield, United Kingdom

Thomas Gudermann
Walther-Straub Institute for Pharmacology
and Toxicology
Ludwig-Maximilians University of Munich
Munich, Germany

Reinhard Jahn
Department of Neurobiology
Max Planck Institute for Biophysical
Chemistry
Göttingen, Germany

Roland Lill
Department of Cytobiology
University of Marburg
Marburg, Germany

Ole H. Petersen
Cardiff School of Biosciences
Cardiff University
Cardiff, United Kingdom

ISSN 0303-4240

ISSN 1617-5786 (electronic)

Reviews of Physiology, Biochemistry and Pharmacology

ISBN 978-3-319-78773-2

ISBN 978-3-319-78774-9 (eBook)

<https://doi.org/10.1007/978-3-319-78774-9>

© Springer International Publishing AG, part of Springer Nature 2018

This work is subject to copyright. All rights are reserved by the Publisher, whether the whole or part of the material is concerned, specifically the rights of translation, reprinting, reuse of illustrations, recitation, broadcasting, reproduction on microfilms or in any other physical way, and transmission or information storage and retrieval, electronic adaptation, computer software, or by similar or dissimilar methodology now known or hereafter developed.

The use of general descriptive names, registered names, trademarks, service marks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

The publisher, the authors and the editors are safe to assume that the advice and information in this book are believed to be true and accurate at the date of publication. Neither the publisher nor the authors or the editors give a warranty, express or implied, with respect to the material contained herein or for any errors or omissions that may have been made. The publisher remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Printed on acid-free paper

This Springer imprint is published by the registered company Springer International Publishing AG part of Springer Nature.

The registered company address is: Gewerbestrasse 11, 6330 Cham, Switzerland

Contents

Ezrin Orchestrates Signal Transduction in Airway Cells	1
Lei-Miao Yin, Ting-Ting Duan, Luis Ulloa, and Yong-Qing Yang	
Iron-Sulfur Protein Assembly in Human Cells	25
Prasenjit Prasad Saha, Vinaya Vishwanathan, Kondalarao Bankapalli, and Patrick D'Silva	
Neurotrophin Trk Receptors: New Targets for Cancer Therapy	67
Jacopo Meldolesi	
Gaseous Signaling Molecules in Cardiovascular Function: From Mechanisms to Clinical Translation	81
Sung Ryul Lee, Bernd Nilius, and Jin Han	