METHODS IN CELL BIOLOGY

VOLUME 23

BASIC MECHANISMS OF CELLULAR SECRETION

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Methods In Cell Biology Volume 23 Basic Mechanisms Of Cellular Secretion

Anand R. Asthagiri,Adam Arkin

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Methods in Cell-Matrix Adhesion Josephine Adams,2002-06-12 Critically acclaimed for more than 25 years the Methods in Cell Biology series provides an indispensable tool for the researcher Each volume is carefully edited by experts to contain state of the art reviews and step by step protocols Techniques are described completely so that methods are made accessible to users This volume Methods of Cell Matrix Adhesion contains integrated coverage on cell matrix adhesion methods It brings the classical methodologies and the latest techniques together in one concise volume This coverage includes experimental protocols and their conceptual background for all aspects of cell matrix adhesion research the extracellular matrix adhesion receptors and the growing number of functional applications of matrix adhesion in molecular cell biology Also covered is the purification of the extracellular matrix to functional analyses of cellular responses

Ultrastructure of the Extraparietal Glands of the Digestive Tract Allessandro Riva,P. Motta,2012-12-06 This volume the sixth of the series represents the natural counterpart of the previous volume Ultra structure of the Digestive Tract Unlike the latter however whose contents fell entirely within the domains of gastroenterology Ultrastructure of the Extraparietal Glands of the Digestive Tract encom passes a few cognate sciences such as hepatology pancreatology and even oral biology which are usually dealt with separately This allows starting from cell biology embryology and comparative anatomy a comprehensive survey of organs that have much in common both structurally and functionally The chapters of this book have been compiled by well known experts in the field with the aim not only of reviewing and pointing out the state of the art of the subject covered but also of giving directions for future work Furthermore through the integration of electron microscopy

with immunocytochemistry autoradiography freeze fracture maceration enzymatic digestion etc and by providing superb illus trative material the authors substantiate the pivotal role played by modern morphology in under standing human physiology and pathology In fact it must be stressed that a consistent part of the tissues studied here are from human origin We believe that this volume should be read not only by scientists and teachers active in the field but also by a larger audience of students and professionals interested in knowing the scientific foundations of biomedicine Methods in Plant Cell Biology, Part A ,1995-10-10 Methods in Plant Cell Biology provides in two volumes a comprehensive collection of analytical methods essential for researchers and students in the plant sciences Individual chapters written by experts in the field provide an introductory overview followed by a step by step technical description of the methods Key Features Written by experts many of whom have developed the individual methods described Contains most if not all the methods needed for modern research in plant cell biology Up to date and comprehensive Full references Allows quick access to relevant journal articles and to the sources of chemicals required for the procedures Selective concentration on higher plant methods allows for particular emphasis on those problems specific to plants Methods in Plant Cell Biology, Part B ,1995-10-10 Methods in Plant Cell Biology provides in two volumes a comprehensive collection of analytical methods essential for researchers and students in the plant sciences Individual chapters written by experts in the field provide an introductory overview followed by a step by step technical description of the methods This is accompanied by examples of typical results illustrations troubleshooting of potential pitfalls sources of chemicals and equipment and complete reference lists Protocols are written to be easily comprehended by beginning research students but these extensive volumes will also be a valuable addition to the libraries of expert researchers Key Features Written by experts many of whom have developed the individual methods described Contains most if not all the methods needed for modern research in plant cell biology Up to date and comprehensive Full references Allows quick access to relevant journal articles and to the sources of chemicals required for the procedures Selective concentration on higher plant methods allows for particular emphasis on those problems specific to plants

Connective Tissue Disease Jouni Uitto,2021-07-29 This book is a collection of works that canvass many of the recent developments in various areas of connective tissue research It focuses on the structure of the components molecular organization and pathology of the extracellular matrix Methods in Plant Cell Biology David W. Galbraith,Hans J. Bohnert,Don P. Bourque,1995 Methods in Plant Cell Biology provides in two volumes a comprehensive collection of analytical methods essential for researchers and students in the plant sciences Individual chapters written by experts in the field provide an introductory overview followed by a step by step technical description of the methods Key Features Written by experts many of whom have developed the individual methods described Contains most if not all the methods needed for modern research in plant cell biology Up to date and comprehensive Full references Allows quick access to relevant journal articles and to the sources of chemicals required for the procedures Selective concentration on higher plant methods allows

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