

Heart Muscle: Ultrastructural Studies

Navaratnam, Visvan

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Heart Muscle Ultrastructural Studies

SJ Ball



Heart Muscle Ultrastructural Studies:

Heart Muscle: Ultrastructural Studies Visvan Navaratnam, 1987-11-26 **Ultrastructure of the Mammalian Heart** C. E. Challice, S. Virágh, 2013-09-24 *Ultrastructure in Biological Systems Volume 6* *Ultrastructure of the Mammalian Heart* focuses on the mammalian heart with some cross reference to that of other vertebrates such as birds This book is divided into four main topics ultrastructure of ventricular and atrial myocardium impulse generation and conduction system of the heart embryologic development of the mammalian heart and ultrastructure of the innervation of the mammalian heart In these topics this publication specifically discusses the sarcotubular system SR contractile apparatus general description of cellular morphology and physiologic implications of cellular and fiber structure The origin and cytodifferentiation of heart muscle cells innervation of the sino atrial node and ultrastructure of the sympathetic cervical ganglion are also deliberated This volume is a good source for biologists and students researching on the ultrastructure of the mammalian heart

Research Awards Index , 1983 *Subject Index of Current Research Grants and Contracts Administered by the National Heart, Lung and Blood Institute* National Heart, Lung, and Blood Institute, 1979 Cumulated Index Medicus , 1974

Cardiac Muscle E.D. Canale, Gordon R Campbell, J.J. Smolich, 2012-12-06 In the ever expanding field of heart research the needs of established re searchers students and general readers can vary considerably making it difficult therefore to cater for all types of audience within a single volume The aim of this book has been to provide a comprehensive and up to date review of the structure of the heart including its cell biology The ultrastructure of the working myocardium and all portions of the conduction system together with their development is covered in detail Also included are chapters on the morphometry of cardiac muscle the innervation of the heart cardiac hyper trophy and regeneration and the development of the coronary circulation A detailed review of cardiac muscle in cell culture is also provided It is to be hoped that readers whatever their background will find the information contained herein useful for their needs This work was supported by a grant from the National Heart Foundation of Australia The authors wish to gratefully acknowledge the following people for their invaluable assistance in preparation of the manuscript Professor Yasuo Uehara Dr Takashi Fujiwara Dr Peter Baluk Dr Seiji Matsuda and Bill Kaegi for providing unpublished micrographs Fabian Bowers Patricia Murphy and Janet Bennett for typing and Lucy Popadyne Nella Puglisi Maggie Mackie Mary Delafield and Liana Butera for assistance with references and figure preparation THE AUTHORS Contents A General Introduction 1 Morphology of Cardiac Muscle 8 B **Research Grants Index** National Institutes of Health (U.S.). Division of Research Grants, 1975 Toxicity Bibliography , 1976

Ultrastructural Pathology Norman F. Cheville, 2009-12-09 *Ultrastructural Pathology* Second Edition is a comprehensive reference on electron microscopy of pathologic tissue in animals and humans Now presented in an atlas format for easier identification of organelles the text is designed to bridge the gap between what is seen in the electron microscope at the cellular level and what the pathologist encounters in the postmortem room New to this edition are sections on diagnostic

electron microscopy providing information on specialized technologies for electron microscopy and invertebrate pathology
Emphasizing comparative pathology the book explains and integrates all aspects of cellular changes in lesions occurring from
natural or experimental disease **Subject Index of Current Research Grants and Contracts Administered by the**

National Heart and Lung Institute National Heart and Lung Institute,1975 *Growth and Hyperplasia of Cardiac Muscle*
Cells P.P. Romyantsev,2017-09-19 First Published in 1991 This Volume three of a set of a monograph series publishing
versions of some of the research reviewed in its companion series Section A Cardiology Reviews of Soviet Medical Reviews

Some Aspects of the Ultrastructure and Function of Cardiac Muscle Arthur Martin Strosberg,1970 *Heart*
Dysfunction In Diabetes Grant N. Pierce,Robert E. Beamish,Naranjan S. Dhalla,2019-06-14 Published in 1988 The enormous
literature scattered through journals devoted to physiology biochemistry pharmacology ultrastructure and clinical medicine
together with the laboratory observations of the authors is reviewed and integrated in an effort to portray the origin
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and Postnatal Development and Ageing of the Heart ,1981 **New Trends of Electron Microscopy in Atom Resolution,**
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