

Genetics For Ophthalmologists The Molecular Genetic Basis Of Ophthalmic Disorders

Genetics for Rheumatologists Genetics for Pulmonologists Molecular Genetic Basis of Cancer Molecular Genetic Mechanisms in Development and Aging The Genetic Basis of Human Cancer The Molecular and Genetic Basis of Neurological Disease Genetics for Orthopedic Surgeons The Molecular Basis of Gene Expression Biomedical Index to PHS-supported Research: pt. A. Subject access A-H The Molecular and Genetic Basis of Neurologic and Psychiatric Disease Biomedical Index to PHS-supported Research Genetics for Oncologists Molecular Genetic Analysis of Populations The Genetic Basis of Evolutionary Change The Molecular Genetics of Aging Genetics for Ophthalmologists The Molecular and Genetic Basis of Neurological Disease Encyclopedia of Molecular Biology and Molecular Medicine, Heart Failure, Genetic Basis of to Mammalian Genome Molecular Genetics of Coronary Artery Disease Genetics for Cardiologists Matthew A. Brown Jordan Prutkin Crouch Foundation of Hong Kong Morris Rockstein Kenneth W. Kinzler Roger N. Rosenberg Ian D. Young Benjamin Lewin Roger N. Rosenberg Fiona Laloo A. Rus Hoelzel Richard C. Lewontin Siegfried Hekimi Graeme C. M. Black Roger N. Rosenberg Robert A. Meyers Aldons J. Lusis Ali J. Marian

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annotation trainee and practicing rheumatologists the study of disease genetics arguably began in rheumatology with the description of the hereditary basis of alkaptonuria by garrod in 1902 and the introduction of the concept of in born errors of metabolism a large proportion of the diseases seen by rheumatologists have genetic influences the dissection of the genetic basis of rheumatic diseases has moved rapidly over the past 15 years increasingly rheumatologists are being asked the question how likely is it that my children will develop the disease i have and about the utility of genetic testing for those diseases this book is not

a hefty tome full of genetics jargon but a quick reference source for doctors written to help answer those questions

our understanding of the relationship between genetics and pulmonary disorders is still evolving in 1989 cloning of the gene that when mutated causes cystic fibrosis marked a great advance in the study of genetic diseases yet over a decade later understanding of how this genetic defect leads to colonization by bacteria and inflammation in the lung remains elusive

molecular genetic mechanisms in development and aging discusses the mechanisms of aging at the level of the genome this book explores the fundamental knowledge concerning the regulation and expression of gene which is derived from investigations on microbial organisms organized into nine chapters this book starts with an overview of the molecular genetic basis for the processes of aging this text then explores the highly complex multicellular members of the class insecta which provide the researcher with many distinct and unique advantages for aging studies other chapters discuss the mechanisms of genetic control and organization during the development and aging of eukaryotes which pose some challenging problems in cellular and developmental biology the final chapter deals with the limitations of previous studies including the lack of comparability due to differences in techniques the measuring of free amino acid titers in hemolymph only and differing diet and environmental variations biologists and students interested in developmental and molecular genetics will find this book useful

current coverage of diagnosis and treatment on a wide spectrum of active cancer research

molecular biology is one of the fastest growing areas of medical research and now impinges on almost every medical discipline this work provides an up to date overview of developments in molecular genetics as they relate to orthopedic practice

inside the third edition of this reference the reader will find thorough and authoritative discussions of all of these developments and their implications for clinical practice it includes a major new section on psychiatric diseases descriptions of the molecular and genetic basis of the spongiform encephalopathies as well as the expression of the prion gene under physiologic and pathologic conditions additional coverage examines the human genome project and neurologic disease and coverage on alzheimer's disease and related dementias

during the past decade enormous progress has been made in our understanding of the molecular genetic basis of many oncological disorders and such information is already beginning to impact on clinical practice this book provides oncologists with a concise summary of what is presently known about the genetic basis of monogenic and polygenic oncological disorders each disease is reviewed in an identical manner clinical features epidemiology inheritance mutational spectrum etc the glossary provides a thorough grounding in the fundamentals of genetic terminology and techniques aimed primarily at oncologists this book also provides much of interest to clinical geneticists and genetic counselors with its quick reference format genetics for oncologists will be readily appreciated by busy practitioners

the structure of evolutionary genetics the struggle to measure variation genic variation in natural populations the genetics of species formation the theory the paradox of variation the genome as the united selection

the molecular genetics of aging or life span determination is an expanding field one reason is because many people would consider it desirable if human life span could be extended indeed it is difficult not to be fascinated by tales of the life and death of people who have succeeded in living a very long life because of this we have placed at the head of this book the chapter by perl et al on centenarians and the genetics of longevity perl and his coauthors convincingly argue that while the average life expectancy might be mostly determined by environmental factors because the average person has an average genotype extremely long life spans are genetically determined of course studying humans to uncover the genetics of aging is not ideal not so much because one cannot easily perform experiments as because they live such a long time this is why most of this book describes the current state of research with model organisms such as yeast worms flies and mice jaswinski focuses on yeast and how metabolic activity and stress resistance affect the longevity of *saccharomyces cerevisiae* in the process he discusses the concept of aging as applied to a unicellular organism such as yeast and the importance of metabolism and stress resistance for aging in all organisms

over the past decade advances in molecular biology have transformed our understanding of the genetic basis of a broad range of ophthalmic conditions and of the disease processes that underlie them genetics for ophthalmologists gives a concise summary of the current clinical understanding of genetic ophthalmology and how it may be applied to diagnosis management and counseling of patients with inherited eye diseases in addition the book gives detailed information of recent advances in genetic eye disease and how disease pathophysiology correlates with this molecular genetic information genetics for ophthalmologists is aimed at general and specialist ophthalmologists at trainees at all levels as well as at clinical and molecular geneticists interested in the genetics of eye disease

this volume which is at the cutting edge of the interface between clinical and basic neuroscience will be of value to clinicians caring for patients with hereditary neurological disorders and for investigators concerned with the scientific issues that these disorders propose five editors and 108 contributing authors are responsible for the 66 chapters arranged in 22 parts general topics chromosomes carbohydrate disorders amino acids purines lipoprotein disorders porphyrins metal metabolism peroxisomes lysosomal disorders vitamins prions muscle disorders mitochondrial disorders degenerative disorders the phakomatoses disorders of skin and brain neuro oncology membrane excitability disorders neuronopathies and neuropathies epilepsy schizophrenia and gene therapy and human genome annotation copyright by book news inc portland or

this six volume encyclopedia is the most comprehensive detailed treatment of molecular biology and molecular medicine available today the encyclopedia provides a single source library of molecular genetics and the molecular basis of life with a focus on molecular medicine genetic screening gene therapy structural biology and the technology and findings of the human genome project are discussed in detail the articles that comprise the set are

designed as self contained treatments each of the nearly 300 articles begins with an outline and a key word section which includes definitions these features assist the scientist or student who is unfamiliar with a specific subject area a glossary of basic terms completes each volume and defines the most commonly used terms in molecular biology together with the introductory illustrations found in each volume these definitions enable readers to understand articles without referring to a dictionary textbook or other reference

detailed reviews of structural biochemical genetic and interactive disease factors determining the development of atherosclerosis well documented a survey for basic and clinical investigators in genetics cardiology and pathology who are concerned with these topics annals of internal medicine

annotation one of a series of monographs intended to bring specialists up to date in molecular genetics in specific ways relevant to the given specialty following general information about genetics marian cardiology baylor college of medicine discusses conditions of interest to cardiologists including hypertrophic familial and x lined cardiomyopathy dilated cardiomyopathy associated with triplet repeat syndromes arrhythmogenic right ventricular marfan s and ehlers danlos holt oram digeorge velocardiofacial and noonan syndromes supravalvular aortic stenosis familial atrial septal defect atrial fibrillation wolff parkinson white and myxoma syndromes familial patent ductus arteriosus and defective apolipoprotein b100 hypobetalipoproteinemia monogenic and polygenic forms of hypertension and coronary atherosclerosis contains a few color illustrations lacks an index distributed by harwood academic publishers annotation c book news inc portland or booknews com

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