

## MEDICAL GENETICS

FOURTH EDITION

## **CONTENTS**

BACKGROUND AND HISTORY1	9	IMMUNOGENETICS	176
BASIC CELL BIOLOGY: STRUCTURE	10	DEVELOPMENTAL GENETICS	193
CHROMOSOMES5	11	CANCER GENETICS	212
GENETIC VARIATION: ITS ORIGIN AND DETECTION26	12	MULTIFACTORIAL INHERITANCE AND COMMON DISEASES	231
AUTOSOMAL DOMINANT AND RECESSIVE INHERITANCE56	13	GENETIC TESTING AND GENE THERAPY	258
SEX-LINKED AND NONTRADITIONAL MODES OF INHERITANCE76	14	GENETICS AND PERSONALIZED MEDICINE	284
THE CHROMOSOMAL BASIS OF	15	CLINICAL GENETICS AND GENETIC COUNSELING	292
	GL	DSSARY	311
OF METABOLISM128		ANSWERS TO STUDY QUESTIONS	
GENE MAPPING AND IDENTIFICATION150	INC	DEX	339
	BASIC CELL BIOLOGY: STRUCTURE AND FUNCTION OF GENES AND CHROMOSOMES	BASIC CELL BIOLOGY: STRUCTURE AND FUNCTION OF GENES AND CHROMOSOMES 5 11  GENETIC VARIATION: ITS ORIGIN AND DETECTION 26  AUTOSOMAL DOMINANT AND RECESSIVE INHERITANCE 56  SEX-LINKED AND NONTRADITIONAL MODES OF INHERITANCE 76  CLINICAL CYTOGENETICS: THE CHROMOSOMAL BASIS OF HUMAN DISEASE 100  BIOCHEMICAL GENETICS: DISORDERS OF METABOLISM 128  AND  10  11  12  12  13  14  15  15  15  16  GLORIER CHROMOSOMAL BASIS OF HUMAN DISEASE 100  BIOCHEMICAL GENETICS: DISORDERS OF METABOLISM 128  AND  10  11  12  13  14  15  15  15  16  17  17  18  18  18  18  18  18  18  18	CHROMOSOMES 5 11 CANCER GENETICS  GENETIC VARIATION: ITS ORIGIN AND DETECTION 26 COMMON DISEASES  AUTOSOMAL DOMINANT AND RECESSIVE INHERITANCE 56 THERAPY THERAPY  SEX-LINKED AND NONTRADITIONAL MODES OF INHERITANCE 76  CLINICAL CYTOGENETICS: THE CHROMOSOMAL BASIS OF HUMAN DISEASE 100  BIOCHEMICAL GENETICS: DISORDERS  11 CANCER GENETICS  12 MULTIFACTORIAL INHERITANCE AND COMMON DISEASES  13 GENETIC TESTING AND GENE THERAPY MEDICINE MEDICINE COUNSELING  14 GENETICS AND PERSONALIZED MEDICINE COUNSELING GLOSSARY