

SALEM PRESS

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Salem Press is Proud to Announce the Second Edition of *Salem Health: Genetics & Inherited Conditions*

Salem Health: Genetics and Inherited Conditions, Second Edition is a revised and expanded version of Salem's award-winning *Encyclopedia of Genetics*, published in 2004. These volumes survey this continually evolving discipline from a variety of perspectives, offering historical and technical background along with a balanced discussion of recent discoveries and developments. **Basics of biology** – from the molecular and cellular levels through the organismal level, from **Mendelian principles** to the latest on **DNA sequencing technology** – constitute the core coverage. **Medical topics** comprise a significant number of essays, as the genetic predisposition for many illnesses and syndromes has increasingly come to light. **Genetic technologies** that promise a world without hunger, disease and disability – and promise to rewrite human values – are addressed as well. The set's scope embraces the **key social and ethical questions** raised by new genetic frontiers, from cloning to stem cells to genetically modified foods and organisms.

It adds **237 topics new to the encyclopedia**, many of them diseases and conditions that are known to be genetic in origin to some degree. In addition, two entries from the last edition were replaced and 79 were heavily revised by experts to bring them up to date. All other previously published entries were reedited and their bibliographies updated with the latest sources. All appendixes were updated by science experts.

Category lists one or more of a dozen sub-disciplines of genetics or biology under which the topic falls:

- Bacterial Genetics
- Bioethics
- Bioinformatics
- Cellular Biology
- Classical Transmission Genetics
- Diseases & Syndromes
- Developmental Genetics
- Evolutionary Biology
- Genetic Engineering & Biotechnology
- History of Genetics
- Immunogenetics
- Molecular Genetics
- Population Genetics
- Social Issues
- Techniques & Methodologies
- Viral Genetics

Articles in *Salem Health: Genetics & Inherited Conditions* are arranged alphabetically by title; a complete Table of Contents appears at the beginning of each volume. At the end of volume 3, readers will find:

- **Category Index**, arranged by area of study
- **A Personages Index** of important figures in genetics
- **A Subject Index**
- **Diagrams, charts, graphs, drawings and photographs** help explain complex concepts throughout the volumes.
- **Biographical Dictionary of Important Geneticists** (appendix)
- **Nobel Prizes for Discoveries in Genetics** (appendix)
- **Time Line of Major Developments in Genetics** (appendix)
- **Glossary, bibliography** by category, and **Websites**.

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Salem Health: Genetics & Inherited Conditions offers students and non-specialist researchers information about a variety of topics in genetics – from the science behind the field to diseases that can be passed down among generations. Designed for the general reader, it provides authoritative, essential information in easy-to-understand language on an often intimidating subject. This A-Z encyclopedia arranges approximately 500 essays on all aspects of genetics – diseases, biology, techniques and methodologies, genetic engineering, biotechnology, ethics and social issues – all written by experts in their fields. This comprehensive reference work will prove valuable for biology and premedical students, as well as researchers and the general public.

Salem Health: Genetics and Inherited Conditions, Second Edition

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