Of interest to all healthcare-related professionals as well as nutritionists and the medical community concerned with disease prevention.

The consequences of hereditary factors on human health and their interaction with environmental, nutritional and life style factors are topics which are at the center of public, governmental and scientific interest.

This handbook and ready reference work features an holistic introduction by Paolo Vineis and 19 contributions from leading scientists. After introducing the concept of epigenetics, the book provides a multidisciplinary overview of the main research on epigenetics. The volume includes transdisciplinary links between molecular epidemiology, nutrigenomics, biobank research, toxicology, environmental health, nutrition and medical progress in cancer and neurodegenerative diseases. It also covers methods, strategies and research developments in epigenetics. A special focus of the book is on disease prevention and treatment.