



Environmental Epigenetics [

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Springer

Medicine Human genetics Pharmacology Epidemiology
Environmental health Biomedicine Pharmacology/Toxicology
Environmental Health Human Genetics Epidemiology Medicine/Public
Health, general

Monografía

This book examines the toxicological and health implications of environmental epigenetics and provides knowledge through an interdisciplinary approach. Included in this volume are chapters outlining various environmental risk factors such as phthalates and dietary components, life states such as pregnancy and ageing, hormonal and metabolic considerations, and specific disease risks such as cancer cardiovascular diseases, and other non-communicable diseases. Environmental Epigenetics imparts integrative knowledge of the science of epigenetics and the issues raised in environmental epidemiology. This book is intended to serve both as a reference compendium on environmental epigenetics for scientists in academia, industry, and laboratories and as a textbook for graduate level environmental health courses

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Contenido: What is Epigenetics -- Epidemiology of environment and health -- Technologies in measuring epigenetics -- Epigenetic changes in hormone related disease -- Epigenetic effects of environmental chemicals bisphenol a and phthalates -- Environmental epigenetics: a role in endocrine diseases? -- Pregnancy exposures determine risk of breast cancer in multiple generations of offspring -- Environmental epigenetics and obesity {u2013} evidences from animal to epidemiologic studies -- Environmental toxicants, epigenetics and cancer -- Aging, genes, environment and epigenetics -- Epigenetics: The link between nature and nurture -- Gene-Environment Interactions in Human Health -- Environmental epigenetics: prospects for studying epigenetic mediation of exposure-response relationships -- Conclusions: Lessons from epigenetic research: the impact of environmental stress can be accumulated and resulted in diverse outcome

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