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Nota di contenuto	Preface -- 1. Epigenetics and Cancer -- 2. Epigenetics, Enhancers, and Cancer -- 3. Early Life: Epigenetic Effects on Obesity, Diabetes, and Cancer -- 4. Nutritional and Lifestyle Impact on Epigenetics and Cancer -- 5. Environmentally Induced Alterations in the Epigenome Affecting Obesity and Cancer in Minority Populations -- 6. Stress, Exercise, and Epigenetic Modulation of Cancer -- 7. Epigenetic Effects of Gut Microbiota on Obesity and Gastrointestinal Cancers -- 8. Epigenetics in Obesity and Esophageal Cancer -- 9. Epigenetics, Obesity, and Colon Cancer -- 10. Energy Balance, Epigenetics, and Prostate Cancer -- 11. Effects of Physical Activity on DNA Methylation and Associations with Breast Cancer -- Index.
Sommario/riassunto	This volume of Energy Balance and Cancer provides state-of-the-art descriptions of the rapidly evolving science of epigenetics and how it may explain mechanisms by which alterations in energy balance such as obesity and physical activity may impact cancer. In addition to chapters explaining the processes mediating epigenetic regulation, the volume contains a series of chapters explaining how environmental

influences including early life events, nutrition, exercise and microbiota may induce epigenetic changes that can affect carcinogenesis. The following chapters describe epigenetic relations of energy balance to cancer in distinct organ systems including esophagus, colon, prostate and breast. Epigenetics, Energy Balance and Cancer provides a valuable resource for students, research investigators and clinicians seeking to better understand these processes as well as a basis for novel translational and transdisciplinary approaches to further elucidate these processes and develop preventive and therapeutic strategies.
