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Altri autori (Persone)	BidlackWayne R RodriguezRaymond L
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Nota di contenuto	Epigenetics : molecular targets for diet and cancer prevention / Sharon A. Ross -- Diet-influenced chromatin modification and expression of chemopreventive genes by the soy peptide, lunasin / Alfredo F. Galvez ... [et al.] -- Role of epigenetics in the complication associated with diabetes and related metabolic disorders / Louisa M. Villevenue and Rama Natarajan -- Systems biology approaches to study diet x genome interactions / Xia Yang, Zhidong Tu, and Jun Zhu -- Modulation of atherosclerosis by N-3 polyunsaturated fatty acids / Darshan S. Kelley ... [et al.] -- Nutrigenomic implications for nuclear receptor coactivators / David M. Lonard and Bert W. O'Malley -- Nutrigenomics of fatty acid sensing / Sander Kersten -- The polyphenol resveratrol alters global patterns of gene regulation and improves physiology through multiple potential pathways / Behzad Varamini and Joseph A. Baur -- Nutritional genomics : cellular signaling and molecular targets

/ Wayne R. Bidlack -- Mechanisms mediating obesity-induced inflammation and insulin resistance / Simon Schenk, Olivia Osborn, and Jerrold M. Olefsky -- Nutritional genomics of vitamin D on cardiovascular disease / Sandra F. Williams, Jorge N. Artaza, and Keith C. Norris -- Network analysis of gene expression profiles in breast cancer cell lines / T. Gregory Dewey, Katie L. Streicher, and Stephen P. Ethier -- Effects of dietary effectors on signal transduction pathways related to cancer prevention / Ann M. Bode and Zigang Dong -- Green tea polyphenols, DNA repair, and prevention of photocarcinogenesis / Santosh K. Katiyar -- Bioactive food components and the "U" shaped health conundrum : vitamin D and folate as examples of friends and foes / John A. Milner -- Human intestinal microbiome : etiology of inflammation genomics / Roger A. Clemens -- Calcium biofortification of crops / Kendal D. Hirschi and Sean M. Thompson -- The use of genomics-aided breeding to improve the nutritional content of lettuce / David W. Still -- Natural colorants as bioactive agents in functional foods / Ann Marie Craig -- Manufacturing functional foods : effects on quality and bioavailability / Ryan J. Elias and John D. Floros -- New whole foods designed to deliver bioactive components / Cheryl Mitchell -- Nutritional genomics and the future of food labeling in the US / Evelyn D. Cadman.

Sommario/riassunto

The notion of matching diet with an individual's genetic makeup is transforming the way the public views nutrition as a means of managing health and preventing disease. To fulfill the promise of nutritional genomics, researchers are beginning to reconcile the diverse properties of dietary factors with our current knowledge of genome structure and gene function. What is emerging is a complex system of interactions that make the human genome exquisitely sensitive to our nutritional environment. Nutritional Genomics: The Impact of Dietary Regulation of Gene Function on Human Disease provides an i
