1. Record Nr. UNINA9910953159503321

Titolo	Nutrition and epigenetics / / edited by Emily Ho, Frederick Domann
Pubbl/distr/stampa	Boca Raton : , : CRC Press, , [2015] ©2015
ISBN	0-429-09070-6 1-4822-0382-0
Edizione	[1st ed.]
Descrizione fisica	1 online resource (412 p.)
Collana	Oxidative Stress and Disease
Disciplina	612.3
Soggetti	Nutrition - Genetic aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Series Preface; Preface; Editors; Contributors; Chapter 1: Early-Life Exposures and the Epigenome : Interactions between Nutrients and the Environment; Chapter 2: Maternal Diet and Exercise : Influences on Obesity and Insulin Resistance; Chapter 3: Maternal Protein and Fat Intake : Epigenetic Consequences on Fetal Development; Chapter 4: Folate, DNA Methylation, and Colorectal Cancer; Chapter 5: Parental Nutrition, Epigenetics, and Chronic Disease; Chapter 6: Alcohol and DNA Methylation; Chapter 7: Ascorbate as a Modulator of the Epigenome Chapter 8: Epigenetic Regulation of Cellular Responses toward Vitamin DChapter 9: Role of Iron in Epigenetic Regulation of Gene Expression; Chapter 10: Selenium and Epigenetic Effects on Histone Marks and DNA Methylation; Chapter 11: Proline : Metabolic Sensing and Parametabolic Regulation; Chapter 12: Dietary Effects on Adipocyte Metabolism and Epigenetics; Chapter 13: Epigenetics of BRCA-1-Related Breast Tumorigenesis and Dietary Prevention; Chapter 14: Regulation of Histone Acyltransferases and Deacetylases by Bioactive Food Compounds for the Prevention of Chronic Diseases; Back Cover
Sommario/riassunto	This book covers new information on the action of diet and nutritional determinants in regulating the epigenetic control of gene expression in health and disease. There are seven sections, and each section comprises a number of focused reviews on a given theme. This book is

a resource to basic scientists and clinical researchers interested in nutrition, aging, and metabolic diseases--Provided by publisher.