1 **Epigenetics and Cancer** ................................................................. 1
   Andrew D. Kelly and Jean-Pierre J. Issa

2 **Epigenetics, Enhancers, and Cancer** ........................................... 29
   James J. Morrow and Peter C. Scacheri

3 **Early Life: Epigenetic Effects on Obesity, Diabetes, and Cancer** .... 55
   Francine Hughes Einstein

4 **Nutritional and Lifestyle Impact on Epigenetics and Cancer** ........... 75
   Eswar Shankar and Sanjay Gupta

5 **Environmentally Induced Alterations in the Epigenome Affecting Obesity and Cancer in Minority Populations** ......................... 109
   David A. Skaar, Randy L. Jirtle, and Cathrine Hoyo

6 **Stress, Exercise, and Epigenetic Modulation of Cancer** .................. 147
   Giuseppe Lippi, Elisa Danese, and Fabian Sanchis-Gomar

7 **Epigenetic Effects of Gut Microbiota on Obesity and Gastrointestinal Cancers** ............................................................... 167
   Joice Kuroiwa-Trzmielina and Luke B. Hesson

8 **Epigenetics in Obesity and Esophageal Cancer** .............................. 191
   Andrew M. Kaz and William M. Grady

9 **Epigenetics, Obesity, and Colon Cancer** ...................................... 211
   Ruifang Li and Paul A. Wade

10 **Energy Balance, Epigenetics, and Prostate Cancer** ......................... 235
    David Heber, Susanne M. Henning, and Zhaoping Li
11 Effects of Physical Activity on DNA Methylation and Associations with Breast Cancer .................................................... 251
Herbert Yu and Melinda L. Irwin

Index........................................................................................................................................................................ 265
Epigenetics, Energy Balance, and Cancer
Berger, N.A. (Ed.)
2016, XII, 271 p. 22 illus., 20 illus. in color., Hardcover
ISBN: 978-3-319-41608-3