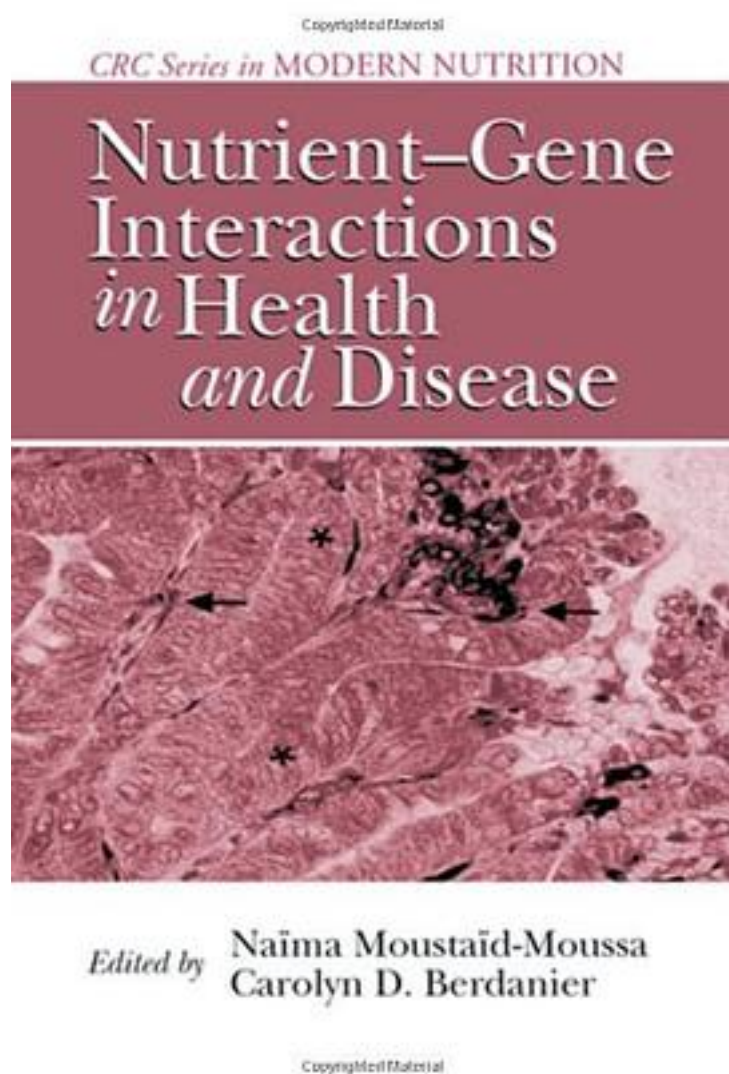


Nutrient-gene Interactions in Health and Disease



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We have come to realize that optimal nutrient intake is determined by very specific genetic messages. This realization has led to an entirely new approach to understanding nutrition - the exploration of nutrient effects on gene expression. Edited by leading experts in the field, Nutrient-Gene Interactions in Health and Disease provides an update of this important and rapidly growing field of research, presenting examples of both macronutrients and micronutrients as they affect gene expression. It addresses lipogenesis, fatty acid oxidation, fatty acid desaturation, and glucose transporters. It also discusses genes that associate with obesity or cancer, genes that are affected by vitamins A and D, and several other topics. Genetic regulation of nutritional response is at the heart of our understanding of nutrition science. Nutrient-Gene Interactions in Health and Disease presents the latest information about how specific processes in intermediary metabolism are genetically regulated, giving you a new understanding of such diseases as obesity, diabetes, alcoholism, anemia, and other diseases with both a nutrient and a genetic component.

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