



Nutrigenomics and Beyond: Informing the Future - Workshop Summary (Paperback)

By Food and Nutrition Board, Institute of Medicine, National Academy of Sciences

National Academies Press, United States, 2007. Paperback. Condition: New. New.. Language: English . Brand New Book. The integration of biology, genomics, and health has opened the possibility of applying genomics technology to nutrition. In 2001, scientists associated with the Human Genome Project announced the successful mapping of the reference sequence of the human genome. Since then, a body of information has emerged. Genomics and related areas of research have contributed greatly to efforts to understand the cellular and molecular mechanisms underlying diet-disease relationships. Integration and application of genetic and genomics technology into nutrition research is, therefore, needed to develop nutrition research programs that are aimed at the prevention and control of chronic disease through genomics-based nutritional interventions. Of interest is the integration of relevant computational methods into nutritional genomics research; the enhancement of tools applicable to systems biology; and the effective dissemination of genomics-derived information to scientists, policy makers, and the interested public. To address these issues, a workshop was held on June 1 and 2, 2006. The workshop included presentations that were structured around three focus sessions: human genetic variation, epigenetics, and systems biology. A fourth session presented discussions on the implications of nutrigenomics for the future of nutrition...



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