

.....

Contents

IX Conference Organization

XI Preface

XVII Declaration of Olympia on Nutrition and Fitness

Ancient Olympia, Greece, May 28–29, 1996

Opening Address

1 The Hippocratic Concept of Positive Health in the 5th Century BC and in the New Millennium

Simopoulos, A.P. (Washington, D.C.)

Part 1: Genetic Variation and Nutrition

5 Genetic Variation and Dietary Response

Murray, R.F., Jr. (Washington, D.C.)

12 Dietary and Genetic Effects on LDL Heterogeneity

Krauss, R.M. (Berkeley, Calif.)

23 Nutrients and Gene Expression

De Caterina, R.; Madonna, R. (Pisa); Hassan, J. (Rome); Procopio, A.D. (Chieti)

53 Effect of Genetic Variation on the Postprandial Response. Results from the European Atherosclerosis Research Study II

Talmud, P.J.; Waterworth, D.M.; Humphries, S.E. (London)

61 Predisposing Genes, High-Risk Environments and Coronary Artery Disease: LPL and Fibrinogen as Examples

Humphries, S.E.; Montgomery, H.E.; Talmud, P.J. (London)

- 68 Role of Genetic Variation in Establishing Nutritional Requirements: Folate, a Case in Point**
Molloy, A.M. (Dublin)
- 76 Genetic Influences on Serum LDL Levels and on Type I Diabetes Incidence in Sardinia**
Muntoni, S.; Muntoni, S. (Cagliari)
- 83 Osteoporosis, Vitamin D Receptor Gene Polymorphisms and Response to Diet**
Ferrari, S.L. (Geneva)
- 93 Interactions between the Genome and the Environment, with Special Reference to Nutrient Variation. New Concepts, Emerging Methodologies and Challenges**
Velázquez, A. (Mexico City)

Part 2: Genes and Physical Activity Interactions

- 108 Aerobic Exercise, Gene Expression and Chronic Diseases**
Chen, J. (Beijing)
- 118 Genetic Variation and the Response to Exercise**
Montgomery, H.E. (London)

Part 3: The Role of Omega-3 Fatty Acids in Health and Disease

- 134 Essential Fatty Acids in Somatic Growth and Brain Development**
Uauy, R. (Santiago/Dallas, Tex.); Calderon, F.; Mena, P. (Santiago)
- 161 Omega-3 Fatty Acids and Cardiovascular Disease**
Leaf, A.; Kang, J.X. (Charlestown, Mass.)
- 173 Omega-3 Fatty Acids in Major Depression**
Locke, C.A.; Stoll, A.L. (Belmont, Mass./Boston, Mass.)
- 186 Author Index**
- 187 Subject Index**