

Contents

VII Preface

X Foreword

XIII Contributors

Allergy

1 Early Nutrition as a Major Determinant of 'Immune Health': Implications for Allergy, Obesity and Other Noncommunicable Diseases

Prescott, S.L. (Australia/Western Australia)

19 The Future of Infant and Young Children's Food: Food Supply/ Manufacturing and Human Health Challenges in the 21st Century

Venter, C. (UK/USA); Maslin, K. (UK)

29 Infant Feeding: Foods, Nutrients and Dietary Strategies to Prevent Allergy

Beyer, K. (Germany)

35 Using Food and Nutritional Strategies to Induce Tolerance in Food-Allergic Children

Nowak-Węgrzyn, A. (USA)

55 Summary on Allergy

Prescott, S.L. (Australia)

Obesity Prevention

59 Interrupting Intergenerational Cycles of Maternal Obesity

Gillman, M.W. (USA)

71 Development, Epigenetics and Metabolic Programming

Godfrey, K.M.; Costello, P.M.; Lillycrop, K.A. (UK)

81 Endocrine and Metabolic Biomarkers Predicting Early Childhood Obesity Risk

Socha, P. (Poland); Hellmuth, C. (Germany); Gruszfeld, D. (Poland); Demmelmair, H.; Rzehak, P.; Grote, V.; Weber, M. (Germany); Escribano, J.; Closa-Monasterolo, R. (Spain); Dain, E.; Langhendries, J.-P. (Belgium); Riva, E.; Verduci, E. (Italy); Koletzko, B. (Germany) for the European Childhood Obesity Trial Study Group

89 Effects of Early Nutrition on the Infant Metabolome

Hellmuth, C.; Uhl, O.; Kirchberg, F.F.; Grote, V.; Weber, M.; Rzehak, P. (Germany); Carlier, C. (Belgium); Ferre, N. (Spain); Verduci, E. (Italy); Gruszfeld, D.; Socha, P. (Poland); Koletzko, B. (Germany) for the European Childhood Obesity Trial Study Group

101 Postnatal High Protein Intake Can Contribute to Accelerated Weight Gain of Infants and Increased Obesity Risk

Haschke, F. (Austria); Grathwohl, D.; Detzel, P.; Steenhout, P.; Wagemans, N.; Erdmann, P. (Switzerland)

111 Summary – Early Nutrition and Obesity Prevention

Haschke, F. (Austria)

Complementary Feeding: Taste, Eating Behavior and Later Health

113 Can Optimal Complementary Feeding Improve Later Health and Development?

Fewtrell, M.S. (UK)

125 Learning to Eat: Behavioral and Psychological Aspects

Birch, L.L. (USA)

135 The Development of Flavor Perception and Acceptance: The Roles of Nature and Nurture

Forestell, C.A. (USA)

145 Dietary Patterns during Complementary Feeding and Later Outcomes

Emmett, P.M. (UK)

155 Nature and Nurture in Early Feeding Behavior

Cooke, L.; Llewellyn, C. (UK)

167 Summary on Complementary Feeding: Taste, Eating Behavior and Later Health

Fewtrell, M.S. (UK)

169 Subject Index