

# Contents

## **VII Foreword**

Grossman, A.B. (London)

## **IX Preface**

Korbonits, M. (London)

## **1 Monogenic Human Obesity**

Farooqi, I.S. (Cambridge)

## **12 Polygenic Contribution to Obesity:**

### **Genome-Wide Strategies Reveal New Targets**

Körner, A.; Kiess, W.; Stumvoll, M.; Kovacs, P. (Leipzig)

## **37 Genetic Obesity Syndromes**

Goldstone, A.P.; Beales, P.L. (London)

## **61 Fetal and Neonatal Pathways to Obesity**

Gluckman, P.D. (Auckland); Hanson, M.A. (Southampton);

Beedle, A.S.; Raubenheimer, D. (Auckland)

## **73 Developmental Origins of Obesity and the Metabolic Syndrome: The Role of Maternal Obesity**

Armitage, J.A. (Clayton/Melbourne); Poston, L.; Taylor, P.D. (London)

## **85 Childhood Obesity**

Sabin, M.A. (Melbourne/Bristol); Shield, J.P.H. (Bristol)

## **97 Obesity in Old Age**

McPhee Chapman, I. (Adelaide)

## **107 Models of 'Obesity' in Large Animals and Birds**

Clarke, I.J. (Melbourne)

## **118 The $\beta$ -Cell in Type 2 Diabetes and in Obesity**

Rutter, G.A. (London); Parton, L.E. (Boston, Mass.)

- 135 Role of the Endocannabinoid System in Energy Balance Regulation and Obesity**  
Cota, D. (Cincinnati, Ohio)
- 146 11 $\beta$ -Hydroxysteroid Dehydrogenase Type 1 and Obesity**  
Morton, N.M.; Seckl, J.R. (Edinburgh)
- 165 Gut and Hormones and Obesity**  
Wren, A.M. (London)
- 182 Adipokines in Obesity**  
Ahima, R.S.; Osei, S.Y. (Philadelphia, Pa.)
- 198 The Role of AMP-Activated Protein Kinase in Obesity**  
Kola, B.; Grossman, A.B.; Korbonits, M. (London)
- 212 Classical Endocrine Diseases Causing Obesity**  
Weaver, J.U. (Newcastle upon Tyne)
- 229 Emerging Concepts in the Medical and Surgical Treatment of Obesity**  
Aylwin, S.; Al-Zaman, Y. (London)
- 260 The Sociology of Obesity**  
Rosengren, A.; Lissner, L. (Göteborg)
- 271 Obesity in Art - A Brief Overview**  
Woodhouse, R. (London)
- 287 Author Index**
- 288 Subject Index**