

CONTENTS

Announcement

- The Metabolism Award for Junior Investigators
Christos Mantzoros 1

Editorial

- Elsevier/Oxford Centre for Diabetes, Endocrinology and Metabolism Junior Research Prize in Endocrinology: ENDO 2011 Conference Report
Katherine Gaynor 2

Review

- Postprandial Lipoprotein Metabolism in Familial Hypercholesterolemia: Thinking Outside the Box
Dick C. Chan and Gerald F. Watts 3

Brief Reviews

- Cardiorespiratory Fitness Predicts Insulin Action and Secretion in Healthy Individuals
Filip J. Larsen, Martin Anderson, Björn Ekblom, and Thomas Nyström 12
- The Relationship Between Adiponectin, an Adiponectin Gene Polymorphism, and High-Density Lipoprotein Particle Size: From the Mima Study
Kokoro Tsuzaki, Kazuhiko Kotani, Yoshiko Sano, Shinji Fujiwara, Irene F. Gazi, Moses Elisaf, and Naoki Sakane 17

Clinical Science

- Triglyceride-High-Density Lipoprotein Cholesterol Is Associated With Microvascular Complications in Type 2 Diabetes Mellitus
Giacomo Zoppini, Carlo Negri, Vincenzo Stoico, Stefano Casati, Isabella Pichiri, and Enzo Bonora 22
- Higher Ratio of Triglyceride to High-Density Lipoprotein Cholesterol May Predispose to Diabetes Mellitus: 15-Year Prospective Study in a General Population
Sen He, Si Wang, Xiaoping Chen, Lingyun Jiang, Yong Peng, Longxin Li, Liyan Wan, and Kaijun Cui 30
- Serum Adipokine Zinc 2-Glycoprotein and Lipolysis in Cachectic and Noncachectic Heart Failure Patients: Relationship With Neurohormonal and Inflammatory Biomarkers
Stefano Tedeschi, Elisabetta Pilotti, Elisabetta Parenti, Vanni Vicini, Pietro Coghi, Alberto Montanari, Giuseppe Regolisti, Enrico Fiaccadori, and Aderville Cabassi 37
- Circulating Levels of Insulin-Like Growth Factor Binding Protein-1 in Relation to Insulin Resistance, Type 2 Diabetes Mellitus, and Metabolic Syndrome (Chennai Urban Rural Epidemiology Study 118)
Kuppan Gokulakrishnan, Kaliyaperumal Velmurugan, Sivamani Ganesan, and Viswanathan Mohan 43
- Dietary Glycemic Index and Risk of Type 2 Diabetes Mellitus in Middle-Aged Japanese Men
Masaru Sakurai, Koshi Nakamura, Katsuyuki Miura, Toshinari Takamura, Katsushi Yoshita, Yuko Morikawa, Masao Ishizaki, Teruhiko Kido, Yuchi Naruse, Yasushi Suwazono, Shuichi Kaneko, Satoshi Sasaki, and Hideaki Nakagawa 47

(Contents continued)

Hypertriglyceridemic Waist: A Simple Clinical Phenotype Associated With Coronary Artery Disease in Women <i>Patricia Blackburn, Isabelle Lemieux, Benoît Lamarche, Jean Bergeron, Patrice Perron, Gérald Tremblay, Daniel Gaudet, and Jean-Pierre Després</i>	56
Retinol-Binding Protein 4 Is Not Associated With Insulin Resistance in Pregnancy <i>Weerapan Khovidhunkit, Promphan Pruksakorn, Wanee Plengpanich, and Thipaporn Tharavanij</i>	65
Associations of Urinary 6-Sulfatoxymelatonin With Biomarkers Related to Cardiovascular Disease in Japanese Women <i>Takako Masue, Keiko Wada, Makoto Hayashi, Noriyuki Takeda, Keigo Yasuda, Takashi Deguchi, and Chisato Nagata</i>	70
Effect of Short-Term Low- and High-Fat Diets on Low-Density Lipoprotein Particle Size in Normolipidemic Subjects <i>Valérie Guay, Benoît Lamarche, Amélie Charest, André J. Tremblay, and Patrick Couture</i>	76
Severity and Outcome of Acute Stroke in Women: Relation to Adrenal Sex Steroid Levels <i>Theodora Pappa, Konstantinos Vemmos, Katerina Saltiki, Emilia Mantzou, Kimon Stamatiopoulos, and Maria Alevizaki</i>	84

Basic Science

Site Dependency of Fatty Acid Composition in Adipose Triacylglycerol in Rats and Its Absence as a Result of High-Fat Feeding <i>Daisuke Sato, Takao Nakamura, Kazuhiko Tsutsumi, Go Shinzawa, Toru Karimata, Takahiro Okawa, Zhonggang Feng, and Masataka Kusunoki</i>	92
Treatment of Genetically Obese Mice With the Iminosugar N-(5-Adamantane-1-Yl-Methoxy-Pentyl)-Deoxynojirimycin Reduces Body Weight by Decreasing Food Intake and Increasing Fat Oxidation <i>Mirjam Langeveld, Sjoerd A.A. van den Berg, Nora Bijl, Silvia Bijland, Cindy P. van Roomen, Judith H. Houben-Weerts, Roelof Ottenhoff, Sander M. Houten, Ko Willems van Dijk, Johannes A. Romijn, Albert K. Groen, Johannes M. Aerts, and Peter J. Voshol</i>	99
Rosiglitazone Increases Fatty Acid $\Delta 9$ -Desaturation and Decreases Elongase Activity Index in Human Skeletal Muscle in Vivo <i>Knut Mai, Janin Andres, Thomas Bobbert, Anke Assmann, Katrin Biedasek, Sven Diederich, Ian Graham, Tony R. Larson, Andreas F.H. Pfeiffer, and Joachim Spranger</i>	108
Exercise Can Induce Temporary Mitochondrial and Contractile Dysfunction Linked to Impaired Respiratory Chain Complex Activity <i>Maria Schoepe, Andrea Schrepper, Michael Schwarzer, Moritz Osterholt, and Torsten Doenst</i>	117
Inducible Nitric Oxide Synthase Deficiency Ameliorates Skeletal Muscle Insulin Resistance But Does Not Alter Unexpected Lower Blood Glucose Levels After Burn Injury in C57BL/6 Mice <i>Michiko Sugita, Hiroki Sugita, Minhye Kim, Ji Mao, Yoshikazu Yasuda, Mayu Habiro, Shohei Shinozaki, Shingo Yasuhara, Nobuyuki Shimizu, J.A. Jeevendra Martyn, and Masao Kaneki</i>	127