

## BOTANICALS AND CARDIOMETABOLIC RISK

Articles in this supplement were generated through research and scientific conferences organized by the NIH Center for the Study of Botanicals and Metabolic Syndrome

William T. Cefalu, MD

*Guest Editor*

## CONTENTS

Botanicals and Cardiometabolic Risk: Positioning Science to Address the Hype <i>William T. Cefalu and Phillip J. Brantley</i>	S1
A Natural History of Botanical Therapeutics <i>Barbara Schmidt, David M. Ribnicky, Alexander Poulev, Sithes Logendra, William T. Cefalu, and Ilya Raskin</i>	S3
Strategies for Assessment of Botanical Action on Metabolic Syndrome in the Mouse and Evidence for a Genotype-Specific Effect of Russian Tarragon in the Regulation of Insulin Sensitivity <i>Aamir R. Zuberi</i>	S10
Botanicals as Epigenetic Modulators for Mechanisms Contributing to Development of Metabolic Syndrome <i>Heather Kirk, William T. Cefalu, David Ribnicky, Zhijun Liu, and Kenneth J. Eilertsen</i>	S16
Effects of Soy Protein and Isoflavones on Insulin Resistance and Adiponectin in Male Monkeys <i>Janice D. Wagner, Li Zhang, Melanie K. Shadoan, Kylie Kavanagh, Haiying Chen, Kristianti Tresnasari, Jay R. Kaplan, and Michael R. Adams</i>	S24
Modulation of Peroxisome Proliferator-Activated Receptor $\gamma$ Stability and Transcriptional Activity in Adipocytes by Resveratrol <i>Z. Elizabeth Floyd, Zhong Q. Wang, Gail Kilroy, and William T. Cefalu</i>	S32
Quercetin Transiently Increases Energy Expenditure But Persistently Decreases Circulating Markers of Inflammation in C57BL/6J Mice Fed a High-Fat Diet <i>Laura K. Stewart, Jeff L. Soileau, David Ribnicky, Zhong Q. Wang, Ilya Raskin, Alexander Poulev, Martin Majewski, William T. Cefalu, and Thomas W. Gettys</i>	S39
Effect of Shilianhua Extract and Its Fractions on Body Weight of Obese Mice <i>Jun Yin, Aamir Zuberi, Zhanguo Gao, Dong Liu, Zhijun Liu, William T. Cefalu, and Jianping Ye</i>	S47
Gene Expression Microarray Analysis of the Effects of Grape Anthocyanins in Mice: A Test of a Hypothesis-Generating Paradigm <i>Michael Lefevre, Judith E. Wiles, Xiaying Zhang, Luke R. Howard, Sunita Gupta, Andrea A. Smith, Zhi Y. Ju, and James P. DeLany</i>	S52
Bioactives of <i>Artemisia dracunculus</i> L Enhance Cellular Insulin Signaling in Primary Human Skeletal Muscle Culture <i>Zhong Q. Wang, David Ribnicky, Xian H. Zhang, Ilya Raskin, Yongmei Yu, and William T. Cefalu</i>	S58