



**2006 Pennington Scientific Symposium**

# **Botanicals and Cardiometabolic Risk**

**October 30 – 31, 2006**

## **Symposium Chairs**

**William Cefalu, M.D.**

Professor, Chief Nutrition/Chronic Disease  
Pennington Biomedical Research Center  
Louisiana State University System  
Baton Rouge, LA

**Michael Lefevre, Ph.D.**

Professor, Lipoproteins  
Pennington Biomedical Research Center  
Louisiana State University System  
Baton Rouge, LA

**Lawrence Rudel, Ph.D.**

Professor of Pathology  
Wake Forest University School of Medicine  
Winston-Salem, NC

This symposium was coordinated by the  
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## **Monday, October 30, 2006**

**Introduction: William Cefalu, M.D.**

**9:00-9:45 Vivian Fonseca, M.D.**  
Tulane University Health Sciences Center  
*Plenary Lecture on Clinical Implications of Metabolic Syndrome:  
The Metabolic Syndrome an International Epidemic*

**10:00-10:45 Ilya Raskin, Ph.D.**  
Rutgers University  
*Plenary Lecture on Botanicals, Discovery and Identification  
Can an Apple a Day Keep the Doctor Away?*

**11:00-11:15 BREAK**

**Session: Insulin Action & Carbohydrate Metabolism**  
**Session Chair: William Cefalu, M.D.**

**11:15-12:00 Ted Ciaraldi, Ph.D.**  
University of California at San Diego  
*Carbohydrates, Metabolism and Insulin Action: Control Points and Therapeutic  
Targets*

**12:00-1:00 LUNCH**

**1:00-1:30 William Cefalu, M.D.**  
Pennington Biomedical Research Center  
*Mechanism of Action for insulin sensitizing effect of bioactives of Artemisia  
dracuncululus L*

**1:30-2:00 Ken Polonsky, M.D.**  
Washington University School of Medicine  
*Is there a role for Ginseng in the prevention and treatment of diabetes?*

**2 :00-2 :30 Michael Quon, M.D., Ph.D.**  
NCCAM,NIH  
*Mechanisms Underlying Beneficial Effects of Green Tea Polyphenols on  
Metabolic and Cardiovascular Health*

**2:30-2:45 BREAK**

**Session: Lipids & Cholesterol Metabolism**  
**Session Chair: Ira Goldberg, M.D.**

**2:45-3:15 Ira Goldberg, M.D.**  
Columbia University  
*Fatty tissues: getting it in and storing it up*

**3:15-3:45 Murray Huff, Ph.D.**  
University of Western Ontario  
*Regulation of hepatic lipoprotein secretion and glucose homeostasis by citrus  
flavonoids by activation of insulin signaling*

## **Tuesday, October 31, 2006**

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**Session Chair: Larry Rudel, Ph.D.**

**9:00-9:30**      **Larry Rudel, Ph.D.**  
Wake Forest University School of Medicine  
*Trans fatty acids: their influence on sugar and fat in CHD*

**9:30-10:00**    **Jan Wagner, DVM, Ph.D.**  
Wake Forest University Health Sciences  
*Soy and Isoflavone Effects on Lipids, Insulin and CVD Risk*

**10:00-10:15**    **BREAK**

**Session:            Vascular Biology & Inflammation**  
**Session Chair: Michael Lefevre, Ph.D.**

**10:15-11:00**    **Russell Tracy, Ph.D.**  
University of Vermont College of Medicine  
*Inflammation, Atherosclerosis and Aging: A Population Science Perspective*

**11:00-11:30**    **Carl Keen, Ph.D.**  
University of California  
*Polyphenols on Vascular Function, Inflammation and Platelet Reactivity*

**12:00-1:00**      **LUNCH**

**1:00-1:30**        **Myron Gross, Ph.D.**  
University of Minnesota  
*Botanicals: Biological Effects and Potential for Disease Prevention*

**1:30-2:00**        **Jianping Ye, M.D.**  
Pennington Biomedical Research Center  
*Hypoxia, Inflammation and Insulin Resistance in Obesity*

**2:00-2:15**        **BREAK**

**2:15-5:00**        **Round Table – Michael Lefevre, Ph.D.**  
Dr. Ted Ciaraldi, Dr. Ilya Raskin, Dr. Russell Tracy and Dr. Ira Goldberg