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 Division of Education
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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 dracunculus 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

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