









July 9-10, 2014

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Located at

DANIEL TOSTESON MEDICAL EDUCATION CENTER

CARL WALTER AMPHITHEATER (2ND FLOOR)

HARVARD MEDICAL SCHOOL 260 LONGWOOD AVENUE BOSTON, MA

Presented by

HARVARD MEDICAL SCHOOL DIVISION OF NUTRITION

and NUTRITION OBESITY
RESEARCH CENTER AT HARVARD

in conjunction with

THE DEPARTMENT OF NUTRITION HARVARD SCHOOL OF PUBLIC HEALTH

and

BOSTON NUTRITION OBESITY RESEARCH CENTER

OBJECTIVES

- 1 Review the basic aspects of biological, neurological, nutritional, and behavioral sciences that are relevant to food intake and energy balance regulation.
- 2 Describe the recent advances on the mechanisms influencing food intake and energy balance regulation.
- 3 Identify the novel approaches for obesity prevention and treatment.
- 4 Provide top researchers, opinion leaders, and educators with the newest scientific findings related to nutrition and energy balance across the lifespan.

DAY 1: Wednesday, July 9, 2014—7:15 a.m.-4:30 p.m.

Welcome W. Allan Walker, MD - Harvard Medical School Steven Grinspoon, MD - Harvard Medical School

SESSION I: Determinants of Energy Expenditure and Balance

Moderator: Hideo Makimura, MD, PhD - Harvard Medical School

Leptin Signaling in Central Appetite Pathways

Rexford S. Ahima, MD, PhD - University of Pennsylvania

Brown Fat: Critical Determinant of Energy Expenditure Aaron Cypess, MD, PhD - Harvard Medical School

Metabolic Flexibility and Substrate Partitioning in Energy Balance

Eric Ravussin, PhD - Pennington Biomedical Research Center

Gastric Peptides in Energy Balance

David E. Cummings, MD - University of Washington

The Effect of Sleep on Energy Balance

Eve Van Cauter, PhD - The University of Chicago

SESSION II: Current Therapies for Obesity and Fat Accumulation

Moderator: Scott Butsch, MD, MSc - Massachusetts General Hospital

Recently Approved Therapeutics for Obesity

Caroline M. Apovian, MD, FACP, FACN - Boston University School of Medicine

Targeting of Visceral and Ectopic Adipose Depots

Steven Grinspoon, MD - Harvard Medical School

Dietary Strategies for Weight Loss; More than Just Calories

David S. Ludwig, MD, PhD - Harvard Medical School

Behavioral Modification in Weight Loss Therapy

John P. Foreyt, PhD - Baylor College of Medicine

A Perspective on the FDA Approval Process Abraham Thomas, MD, MPH - Henry Ford Hospital

DAY 2: Thursday, July 10, 2014—7:30 a.m.-11:45 a.m.

Welcome George L. Blackburn, MD, PhD - Harvard Medical School

SESSION III: Novel Therapeutics to Alter Energy Balance

Moderator: Miguel Alonso-Alonso, MD, MPhil - Beth Israel Deaconess Medical Center

A Novel Muscle Protein Regulating Energy Balance: Irisin

Bruce M. Spiegelman, PhD -Harvard Medical School Effects of Gastric Bypass on Energy Therapeutics

Lee M. Kaplan, MD, PhD - Massachusetts General Hospital

Novel Effects of Bile Acids on Energy Regulation

Karen K. Ryan, PhD - University of Cincinnati

Potential Effects of Altered Gut Microbiota on Energy Balance

Jonathan Krakoff, MD - National Institutes of Health

Sirtuins in Metabolism and Energy Balance

Marcia C. Haigis, PhD - Harvard Medical School

Closing Remarks