

Adiposity in Children and Adolescents: Correlates and Clinical Consequences of Fat Stored in Specific Body Depots

Scientific Program

Monday, December 5

All sessions will be held in the Abell Board Room of the Lod Cook Conference Center. (LSU Campus)

- 8:30-8:45** **Steven B. Heymsfield, MD**
Executive Director, Pennington Biomedical Research Center
Pennington Biomedical Research Center: Mission and Programs
- 8:45 - 9:00** **Peter T. Katzmarzyk, PhD, FACSM**
Associate Executive Director, Population Science
Pennington Biomedical Research Center
Wei Shen, MD
Columbia University and New York Obesity Nutrition Research Center
St. Luke's Roosevelt Hospital Center
Welcome, Symposium Background and Structure
- SESSION 1** **Frontiers in Pediatric Body Composition Imaging Techniques**
Chair: Wei Shen, MD
- 9:00-9:45** **Wei Shen, MD**
Columbia University and New York Obesity Nutrition Research Center
St. Luke's Roosevelt Hospital Center
Pediatric obesity phenotyping by magnetic resonance methods
- 9:45-10:30** **Prof. Jimmy D. Bell**
Group Head, Metabolic & Molecular Imaging
Hammersmith Hospital, Imperial College, London, UK
Phenotyping Adiposity by MRI/MRS in Neonates and Infants
- 10:30-10:45** **BREAK**
- 10:45-11:30** **Vicente Gilsanz, MD, PhD**
Director, Childrens Imaging Research Program, Childrens Hospital Los Angeles
Professor of Radiology and Pediatrics, University of Southern California
Brown Adipose Tissue in Children and Teenagers
- 11:30-12:30** **LUNCH**
- SESSION 2** **Age, Sex and Ethnic Variation in Depot-Specific Adiposity**
Chair: Mary Horlick, MD; NIDDK, Director, Pediatric Clinical Obesity Program
- 12:30-1:15** **Michael Goran, PhD**
Director, Childhood Obesity Research Center
Professor of Preventive Medicine; Physiology & Biophysics;

and Pediatrics, The Dr Robert C & Veronica Atkins Chair in Childhood Obesity & Diabetes, University of Southern California Keck School of Medicine

Ethnic Differences in Total and Regional Body Fat

1:15-2:00

Robert Malina, PhD, FACSM

Professor Emeritus, Department of Kinesiology and Health Education
University of Texas at Austin; and Research Professor, Tarleton State University

Age and Maturity-Associated Variation in Body Fat Distribution

2:00- 2:45

Jonathan Wells, PhD

Childhood Nutrition Research Center
UCL Institute of Child Health, London, UK

Sexual Dimorphism in Body Composition During Childhood

2:45-3:00

BREAK

SESSION 3:

Health Consequences of Body Fat Stored in Specific Compartments

Chair: Ellen Demerath, PhD

3:00-3:45

Nancy Butte, PhD

Baylor College of Medicine

Metabolic Implications of Body Fat Loss Consequent to Bariatric Surgery in Obese Adolescents

3:45-4:30

Ellen Demerath, PhD

University of Minnesota, School of Public Health

Early Life Influences on Infant Body Composition and Later Outcomes

4:30-5:15

Adam Baxter-Jones, PhD

University of Saskatchewan, College of Kinesiology
Saskatoon, Canada

Total and Trunk Fat in Adolescence and Future Health Outcomes

Tuesday, December 6

SESSION 4

Anthropometric Markers of Depot-Specific Adiposity and Health Risk: Clinical Implications

Chair: Anne E. Sumner, MD; NIDDK, Clinical Endocrinology Branch

8:30-9:15

Peter T. Katzmarzyk, PhD, FACSM

Associate Executive Director, Population Science
Pennington Biomedical Research Center

Anthropometric Markers of Abdominal Body Fat in Children

9:15-10:00

Prof. Claudio Maffeis

Department of Mother and Child, Biology-Genetics, Pediatric Unit
University of Verona, Italy

Anthropometric Indicators of Metabolic Risk in Children

10:00-10:15

BREAK

10:15-11:00

Valeria Hirschler, MD

Durand Hospital, Department of Nutrition and Diabetes

Buenos Aires, Argentina

Utility of Anthropometry in Identifying Children with Metabolic Syndrome

11:00-12:00

Consensus Discussion

Address "critical questions in the field." Develop consensus for meeting report document.

12:00-1:00

Roundtable and Lunch