

Oral Presentations

October 4, 2008

8:00 AM - 9:45 AM**Session: Plenary Oral Abstract Presentations****Chair: Gary Foster****8:00 AM - 8:15 AM**

- 1-OR Absence of Bone Marrow Derived Macrophage Inflammatory Protein-1alpha Protects Against Adipose Tissue Expansion and Atherosclerosis
Marnie Gruen, Dario Gutierrez, Alyssa Hasty *Nashville, TN*

8:15 AM - 8:30 AM

- 2-OR Decreased Apoptosis in Adipose Tissue Following Suction Lipectomy: A Mechanism for the Defense of Fat Mass in Humans?
Rachel Lindstrom, Nicole Stob, Christopher Law, Teri L. Hernandez, Robert H. Eckel *Aurora, CO; Denver, CO*

8:30 AM - 8:45 AM

- 3-OR Non-Brain-Penetrant CB1 Receptor Antagonists as a Novel Treatment of Obesity and Related Metabolic Disorders
John McElroy, Kristine Sieracki, Robert Chorvat *Philadelphia, PA*

8:45 AM - 9:00 AM

- 4-OR Brain Response to High-Calorie Food Photographs Differs Between Restrained Eaters and Their Unrestrained Eating Twins
Ellen A. Schur, Natalia Kleinhans, Janet Polivy, Jack Goldberg, Angelo del Parigi, David E. Cummings, Dedra Buchwald, Ken Maravilla *Seattle, WA; Mississauga, ON, Canada; New York, NY*

9:00 AM - 9:15 PM

- 5-OR Long-Term Effects of GLP-1 on Insulin Secretion Following Roux-in-Y-Gastric Bypass (RYGBP) Surgery in Morbidly Obese Subjects
Josep Vidal, Joana Nicolau, Judith Viaplana, Violeta Moize, Roser Casamitjana *Barcelona, Spain*

9:15 AM - 9:30 PM

- 6-OR Low Inhibitory Control Predicts Weight Gain and Overweight Risk in a Longitudinal Study of Girls
Stephanie Anzman, Leann Birch *University Park, PA*

9:30 AM - 9:45 AM

- 7-OR Genetic Predictors of Exercise Adherence in the Tiger Study
Molly S. Bray, Mary Sailors, Michael Kueht, Brian McFarlin, Andrew Jackson *Houston, TX*

11:15 AM - 12:45 PM**Session: Oral Abstract Presentations - Cell and Molecular Biology - Adipokines and Other Secreted Factors****Chair: Ron Morrison****11:15 AM - 11:30 AM**

- 8-OR Deficiency of Caspase-1 in Mice Leads to Diet-induced Obesity and Insulin Resistance
Jennifer H. Yoon, Warren Capell, Hong Wang, Sarah Faubel, Robert H. Eckel *Aurora, CO; Denver, CO*

11:30 AM - 11:45 AM

- 9-OR Reduction of Liver Lipid Accumulation by CB-1 Antagonist is Associated with an Increase of Adiponectin Gene Expression in the Visceral Fat Depot of the Fat-Fed Dog
Morvarid Kabir, Malini Iyer, Darko Stefanovski, Isabel R. Hsu, Orison O. Woolcott, Dan Zheng, Stella P. Kim, Karyn Catalano, Jenny Chiu, L. Nicole Harrison, Maya Lottati, Viorica Ionut, Richard Bergman, Joyce M. Richey *Los Angeles, CA; Boston, MA*

11:45 AM - 12:00 PM

- 10-OR Absence of Leptin Signaling Protects Obese Mice From Osteoarthritis
Rebecca Dryer, Alison Bendele, Vedrana Stojanovic-Susulic *Radnor, PA; Boulder, CO*

12:00 PM - 12:15 PM

- 11-OR Decreases in Systemic Peroxides During Weight Loss are Predicted by Adipose Tissue Mass
Nana Gletsu-Miller, Jason Hansen, Thomas R. Ziegler, William E. Torres, Dean P. Jones, Edward Lin *Atlanta, GA*

12:15 PM - 12:30 PM

- 12-OR Shift of Hepatic Energy Use and Storage in ASP-C5L2 Deficient Mice
Alexandre Fisette, Sabina Paglialunga, Christian Roy, Katherine Cianflone *Quebec, QC, Canada*

12:30 PM - 12:45 PM

- 13-OR Effect of Diet Induced Obesity on Fever and Circulating Pro and Anti-Inflammatory Cytokines Following LPS in Male Rats
Joanna Pohl, Claudia Frate, Barbara Woodside, Giamal Luheshi *Verdun, QC, Canada; Montreal, QC, Canada*

TOS 2008 ABSTRACT SUPPLEMENT

ORAL PRESENTATIONS

11:15 AM - 12:45 PM

Session: Oral Abstract Presentations - Integrative Biology - Gut Regulation of Energy Balance

Chair: Gary J. Schwartz

11:15 AM - 11:30 AM

- 14-OR Influence of Distribution of Small Intestinal Delivery of Fat on Satiety and Energy Intake in Healthy Volunteers
Jeroen Maljaars, Harry Peters, Edward Haddeman, Ad Masclee *Maastricht, New Zealand; Vlaardingen, Netherlands; Maastricht, Netherlands*

11:30 AM - 11:45 AM

- 15-OR Improved Glucose Tolerance Following Ileal Interposition is Independent of Weight Loss
April Strader, Donna Wendt, Trine Ryberg Clausen
Carbondale, IL; Malov, Denmark

11:45 AM - 12:00 PM

- 16-OR PYY 3-36 and GLP-1 Levels Increase After Gastric Bypass but not After Equivalent Weight Loss by Diet or Gastric Banding
Blanca Olivan, Mousumi Bose, Julio Teixeira, James McGinty, Antonia Colarusso, Betty Kovacs, Baani Bawa, Heather Summe, Tangel Chang, Ninan Koshy, Blandine Laferrere
New York, NY

12:00 PM - 12:15 PM

- 17-OR Prospective Analysis of Appetitive Hormones and Insulin Resistance Before and One Year After Gastric Bypass and Roux-en-Y Gastric Bypass
Judith Korner, William Inabnet, Irene Conwell, Gerardo Febres, Donald J. McMahon, Carmen Taveras, Rocio Salas, Beth Schroppe, Marc Bessler
New York, NY; Bronx, NY

12:15 PM - 12:30 PM

- 18-OR Rapid Improvement of Insulin Resistance After Gastric Bypass in Diet Induced Obesity Rat and Mouse Models
Xiaosong Li, Eric Epstein, Zhiping Wu, Gary Schwartz
Bronx, NY

12:30 PM - 12:45 PM

- 19-OR Neuropeptide Expression and Endocrine Responses to Intrajejunal Fatty Acid Infusion
Kellie Tamashiro, Chantelle Terrillion, Timothy Moran
Baltimore, MD

11:15 AM - 12:45 PM

Session: Oral Abstract Presentations - Clinical Studies - Diet and/or Physical Activity in Adults

Chair: Amy Otto and Timothy Church

11:15 AM - 11:30 AM

- 20-OR Weight Loss in Class III Obese Adults Primary Care Settings: Results of the Louisiana Obese Subjects Study (LOSS)
Donna Ryan, William Johnson, Valerie Myers, Phillip Brantley, Alok Gupta, Alan Broussard, Bryan Barootes, Brian Elkins, GERALYN Datz, Srinivasa Pothakamuri, Brooke Barbera, Tiffany Hudnall, Kaj Stenlof
Baton Rouge, LA; Lafayette, LA; Lake Charles, LA; Alexandria, LA; Picayune, MS; Goteborg, Sweden

11:30 AM - 11:45 AM

- 21-OR Effects of Aspartame, Stevia, and Sucrose on Food Intake, Satiety, and Postprandial Glucose and Insulin Levels
Stephen Anton, Corby Martin, Hongmei Han, Sandra Coulon, Paula Geiselman, Donald Williamson, William Cefalu
Gainesville, FL; Baton Rouge, LA

11:45 AM - 12:00 PM

- 22-OR 24-Month Success in a Behavioral Program for Weight Loss: Influence of Physical Activity and Eating Behaviors
John M. Jakicic, Amy Otto, Kelli Davis, Christine Dutton, Jessica Unick, David Garcia
Pittsburgh, PA

12:00 PM - 12:15 PM

- 23-OR The Effects of Short-Term Overfeeding on Appetite and Subsequent Energy Intake
Andrea Salzberg, Sanial Bessesen, Marc-Andre Cornier
Aurora, CO; Denver, CO

12:15 PM - 12:30 PM

- 24-OR The Effect of Weight Loss on Obstructive Sleep Apnea Among Obese Patients with Type 2 Diabetes: The Sleep AHEAD Study
Gary Foster, Kelley Borradaile, Mark Sanders, Richard Millman, Gary Zammit, Anne Newman, Thomas Wadden, David Kelley, Rena Wing, Xavier Pi-Sunyer, Samuel Kuna
Philadelphia, PA; Wexford, PA; Providence, RI; New York, NY; Pittsburgh, PA; Rahway, NJ

12:30 PM - 12:45 PM

- 25-OR 24 h Substrate Oxidation Following Diet-Induced Weight loss
Edward Melanson, Daniel Bessesen, Marc-Andre Cornier, Paul S. Maclean, Gary Grunwald, James Hill
Denver, CO; Aurora, CO

11:15 AM - 12:45 PM**Session: Oral Abstract Presentations - Clinical Studies - Surgery for Treatment of Obesity****Chair: Jonathan Purnell and W. Scott Bush****11:15 AM - 11:30 AM**

26-OR GLP-1, Glucose Homeostasis, and Satiety Following Sleeve-Gastrectomy (SG) and Roux-in-Y-Gastric Bypass (GBP) Surgery in Morbidly Obese Subjects

Josep Vidal, Fabiola Romero, Joana Nicolau, Roser Casamitjana, Judith Viaplana, Antonio Lacy
Barcelona, Spain

11:30 AM - 11:45 AM

27-OR Changes of Ghrelin Levels After Weight Loss: Is Bariatric Surgery Different From Diet?

Mousumi Bose, Blanca Olivan, Julio Teixeira, James McGinty, Antonia Colarusso, Betty Kovacs, Baani Bawa, Tangel Chang, Heather Summe, Ninan Koshy, Blandine Laferrere
New York, NY

11:45 AM - 12:00 PM

28-OR Electrocardiographic Variations in Severely Obese Patients Undergoing Bariatric Bypass Surgery

Philippe Gilbert, Annie Ferland, Simon Biron, Simon Marceau, Stefane Lebel, Frédéric Simon Hould, Paul Poirier
Quebec, QC, Canada

12:00 PM - 12:15 PM

29-OR Prospective Study Comparing Weight and Nutritional Outcomes Between Laparoscopic Gastric Bypass (GBP) and Sleeve Gastrectomy (SG): 2 Years Follow-Up

Violeta Moize, Carina Sallares, Ferran Torres, Alba Andreu, Salvadora Delgado, Josep Vidal
Barcelona, Spain

12:15 PM - 12:30 PM

30-OR The Effect of Weight Change on Quality of Life and Depressive Symptoms Two Years after Bariatric Surgery

Gladys Strain, Lucy Faulconbridge, Ronette Kolotkin, Allison Tabor, Michel Gagner, Gregory Dakin, Jane Hsieh, William Inabnet, Paul Christos, Jennifer Brennan, Alfons Pomp
New York, NY; Philadelphia, PA; Durham, NC; Baton Rouge, LA; Miami, FL

12:30 PM - 12:45 PM

31-OR The Impact of Maternal Biliopancreatic Diversion Weight Loss Surgery on the Body Weight and Metabolic Health of Offspring

Jessica Smith, Ariane Boivin, Simon Marceau, Simon Biron, Picard Marceau, Katherine Cianflone
Quebec, QC, Canada; Beaupré, QC, Canada

11:15 AM - 12:45 PM**Session: Oral Abstract Presentations - Population Studies - Feeding, Parenting Styles, and Dieting****Chair: Myles Faith and Jennifer Fisher****11:15 AM - 11:30 AM**

32-OR Child Overweight in Rural America: the Role of Parent Feeding Styles

Erin Hennessy, Sheryl Hughes, Jeanne Goldberg, Raymond Hyatt, Christina Economos
Boston, MA; Houston, TX

11:30 AM - 11:45 AM

33-OR Does Maternal Feeding Restriction Lead To Childhood Obesity or Vice Versa?

Sheryl Rifas-Shiman, Bettylou Sherry, Kelley Scanlon, Leann Birch, Matthew W. Gillman, Elsie M. Taveras
Boston, MA; Atlanta, GA; University Park, PA

11:45 AM - 12:00 PM

34-OR Association Between Parental Feeding Styles and Dietary Energy Density by Children at a Controlled Laboratory Buffet Meal

Shama Sud, Niña Carmela Tamayo, Myles Faith, Kathleen Keller
New York, NY; Philadelphia, PA

12:00 PM - 11:15 AM

35-OR Controlling Maternal Feeding Practices and Dieting Behavior in 6th Grade Children

Kay Rhee, Danielle Appugliese, Niko Kaciroti, Robert Corwyn, Robert Bradley, Julie Lumeng
Providence, RI; Boston, MA; Ann Arbor, MI; Little Rock, AR

12:15 PM - 12:30 PM

36-OR Dose Response Effects of Entrée Portion Size on Children's Energy Intake

Mastaneh Sharafi, Jennifer Orlet Fisher, Michele Marni, Jennifer Edmondson, Leann Birch
University Park, PA; Houston, TX

12:30 PM - 12:45 PM

37-OR Successful Weight Control Strategies Among Adolescent and Young Adult Females

Alison E. Field, Jess Haines, Walter Willett, Bernard Rosner
Boston, MA

TOS 2008 ABSTRACT SUPPLEMENT

ORAL PRESENTATIONS

11:15 AM - 12:45 PM

Session: Oral Abstract Presentations - Population Studies - Obesity Interventions

Chair: Leslie A. Lytle and Melissa Nelson

11:15 AM - 11:30 AM

- 38-OR Effect of an Elementary School-Based Obesity Prevention Intervention on Weight and Academic Performance among Low Income Children
Danielle Hollar, Sarah Messiah, Gabriela Lopez-Mitnik, Theodore Hollar, Marie Almon, Arthur Agatston
Miami Beach, FL; Miami, FL; Fort Lauderdale, FL

11:30 AM - 11:45 AM

- 39-OR Post-Secondary Settings for Young Adult Obesity Prevention: Thinking Beyond the 4-Year College
Melissa Nelson, Keryn Pasch, Katherine Lust, Ed Ehlinger, Mary Story
Minneapolis, MN; Austin, TX

11:45 AM - 12:00 PM

- 40-OR Do 100 Calorie Snack Packs Help Control Snacking Behavior?
Nanette Stroebele, Lorraine Ogden, Nicole Edwards, Christine Schaefer, Lauren Nelson, James Hill
Denver, CO; Perth, Australia

12:00 PM - 12:15 PM

- 41-OR Randomized Trial of a Novel Motivationally-Focused Weight Maintenance Program
Delia West, Amy Gorin, Leslee Subak, Gary Foster, Charlotte Bragg, Jennifer Creasman, Rena Wing
Little Rock, AR; Storrs, CT; San Francisco, CA; Philadelphia, PA; Birmingham, AL; Providence, RI

12:15 PM - 12:30 PM

- 42-OR Impact of Food Store-Based Intervention Program on Psychosocial Factors, Food Purchasing, Preparation, and Consumption in Two American Indian Communities: Results of the Apache Healthy Stores Study
Joel Gittelsohn, Jean Anliker, Sangita Sharma, Sarah Curran, Sonali Suratkar, Benjamin Caballero, Amy Ries
Baltimore, MD; Amherst, MA; Honolulu, HI; Colorado Springs, CO; Providence, RI

12:30 PM - 12:45 PM

- 43-OR Challenge: A Mentorship Model of Health Promotion and Obesity Prevention Among African American Teens
Maureen Black, Erin Hager, Fatma Shebl, S. Sonia Arteaga, Katherine Le, Carlo Diclemente, Soren Snitker, Margarita Treuth, Joel Gittelsohn
Baltimore, MD; Bethesda, MD; Winston Salem, NC; Princess Anne, MD

Oral Presentations

October 5, 2008

10:15 AM - 12:00 PM**Session: Oral Abstract Presentations - Cell and Molecular Biology - Metabolism****Chair: Jan Nedergaard****10:15 AM - 10:30 AM**

- 44-OR Strain-Dependent and -Independent Effects of UCP1 Ablation: Obesity Versus Diet-Induced Adrenergic Thermogenesis
Jan Nedergaard, Helena Feldmann, Barbara Cannon
Stockholm, Sweden

10:30 AM - 10:45 AM

- 45-OR Impaired Metabolism in Differentiated Satellite Muscle Cells Despite Disappearance of Obesity-Related Diabetes with Weight Loss
Sheila Costford, Sean Crawford, Robert Dent, Ruth Mcpherson, Mary-Ellen Harper
Ottawa, ON, Canada

10:45 AM - 11:00 AM

- 46-OR ADRP and TIP-47: Two Important PAT Proteins for the Regulation of Skeletal Muscle Lipid Metabolism
Sudip Bajpeyi, Cedric Moro, David Hymel, Laura Roan, Steven R. Smith
Baton Rouge, LA

11:00 AM - 11:15 AM

- 47-OR Global Metabolomics Profiles of Adipose Tissue, Serum and Urine in Weight-Discordant Monozygotic Twin Pairs
Kirsi H. Pietiläinen, Cristian Gatu, Jussi Naukkarinen, Marko Sysi-Aho, Tuulikki Seppänen-Laakso, Peddinti Gopalacharyulu, Ismo Mattila, Hannele Yki-Järvinen, Leena Peltonen, Jaakko Kaprio, Aila Rissanen, Matej Oresic
Helsinki, Finland; Espoo, Finland

11:15 AM - 11:30 AM

- 48-OR Long-Chain Fatty Acid (LCFA) Combustion Rate is Associated with Unique Metabolite Profiles in Skeletal Muscle Mitochondria
Erin Seifert, Oliver Fiehn, Veronic Bezaire, David Bickel, Sean Adams, Mary-Ellen Harper
Ottawa, ON, Canada; Davis, CA

11:30 AM - 11:45 AM

- 49-OR Human Mesenteric Adipose Tissue Plays Unique Role Versus Subcutaneous and Omental Fat in Obesity Related Diabetes
Yingkui Yang, Min Chen, Ronald Clements, Charles Aprahamian, Carroll M. Harmon
Birmingham, AL

11:45 AM - 12:00 PM

- 50-OR Reversing Ectopic Lipid Metabolic Stress with Carnitine
Jingying Zhang, Steven Barker, Randall Mynatt
Baton Rouge, LA

10:15 AM - 12:00 PM**Session: Oral Abstract Presentations - Integrative Biology - Adipose Tissue Physiology****Chair: Christopher Morrison****10:15 AM - 10:30 AM**

- 51-OR Adipocyte HSD1 Cortisol Formation Correlates with Visceral and Intrahepatic Fat in Postmenopausal Women but is not Regulated by Estrogen
Bethany Klopfenstein, Christine Krisky, Urick Szumowski, David Brandon, Jonathan Purnell
Portland, OR

10:30 AM - 10:45 AM

- 52-OR Measurement of Perilipin A Phosphorylation In Adipose Tissues As An Indicator of Lipolysis In Vivo
Yogendra Shrestha, Cheryl Vaughan, Bruce Smith Jr, C. Kay Song, Deborah Baro, Timothy J. Bartness
Atlanta, GA

10:45 AM - 11:00 AM

- 53-OR Regulation of Fat Metabolism During Resistance Exercise in Sedentary Lean and Obese Men
Michael J. Ormsbee, Myung Choi, Justin Medlin, Gabriel Geyer, Lauren Trantham, Gabriel Dubis, Robert Hickner
Greenville, NC

11:00 AM - 11:15 AM

- 54-OR Influence of Short-Term Inhibition of Sympathetic Nervous System Activity on Thermogenic Response to Beta-Adrenergic Receptor Stimulation
Sean Newsom, Roger Paxton, Jennifer Richards, Grant Rynn, Wyatt F. Voyles, Christopher Bell
Fort Collins, CO

11:15 AM - 11:30 AM

- 55-OR Improvement in both Adiposity and Hypercholesterolemia after Antisense Reduction of Silencing Mediator of Retinoic acid and Thyroid Hormone Receptor (SMRT) Expression in Diet-Induced Obese Mice
Xing Xian Yu, Lynnetta Watts, Sanjay Pandey, Youngsoo Kim, Eric Marcusson, Brett Monia, Sanjay Bhanot
Carlsbad, CA

11:30 AM - 11:45 AM

- 56-OR Free Fatty Acids Modulate Insulin Sensitivity Following Reduction of Visceral Fat by Greater Omentectomy in the Obese Dog
Maya Lottati, Cathryn Kolka, Justin Dittmann, Sophia Yae, L. Nicole Harrison, vahe Mooradian, Erlinda Kirkman, Richard Bergman
Los Angeles, CA

11:45 AM - 12:00 PM

- 57-OR Improvements in Body Fat Distribution and Circulating Adiponectin Levels by Alternate Day Fasting Versus Calorie Restriction
Krista Varady, Candice Allister, DJ Roohk, Marc Hellerstein
Berkeley, CA

10:15 AM - 12:00 PM

Session: Oral Abstract Presentations - Clinical Studies - Pharmacotherapy for Treatment of Obesity

Chair: Steven Smith and Raymond Plodkowski

10:15 AM - 10:30 AM

- 58-OR Effects of Metformin on Body Weight and Body Composition in Children with Insulin Resistance: A Randomized, Placebo-Controlled Trial
Jack Yanovski, Rachael Sorg, Jonathan Krakoff, Christine Salaita, Merel Kozlosky, Nancy Sebring, Meg Keil, Jennifer McDuffie, Karim Calis *Bethesda, MD; Phoenix, AZ*

10:30 AM - 10:45 AM

- 59-OR A Randomized, Placebo-Controlled Trial of the Effects of Orlistat on Body Weight and Body Composition in African American and Caucasian Adolescents with Obesity-Related Comorbid Conditions
Jack Yanovski, Jennifer McDuffie, Christine Salaita, Marian Tanofsky-Kraff, Nancy Sebring, Deborah Young-Hyman, Lisa Yanoff, Van Hubbard, Meg Keil, David Savastano, Diane Adler-Wailes, James Reynolds, Karim Calis *Bethesda, MD; Augusta, GA*

10:45 AM - 11:00 AM

- 60-OR Safety and Efficacy of Taranabant, a Highly Selective CB1-R Inverse Agonist, over One Year in Obese and Overweight Patients with Obesity-Related Co-morbidities
Joseph Proietto, Aila Rissanen, Joyce Harp, Ngozi Erondu, Qinfen Yu, Shailaja Suryawanshi, Mary Elizabeth Jones, Kathleen Newcomb, Steven Heymsfield, Keith Kaufman, John Amatruda *Melbourne, Australia; Helsinki, Finland; Rahway, NJ*

11:00 AM - 11:15 AM

- 61-OR Long Term Weight Loss from a Dose Optimization Study with Zonisamide SR and Bupropion SR
Ronald Landbloom, James Robinson, Ken Fujioka, Frank Greenway, Maria Guttadauria, Michael Cowley, Gary Tollefson *San Diego, CA; Baton Rouge, LA; New York, NY*

11:15 AM - 11:30 AM

- 62-OR Four-year Efficacy and Safety of Sibutramine for Weight Maintenance: A Multicenter, Double-Blind, Randomized, Placebo-Controlled Study
James Anderson, Stanford Owen, Ben Fajardo, Joseph Berkson, Allan File, Sylvia Cramer, Linda Gotthelf *Lexington, KY; Gulfport, MS; Clinton Township, MI; Redmond, WA; Urbana, IL; Redlands, CA; Boston, MA*

11:30 AM - 11:45 AM

- 63-OR Liraglutide, a Once-Daily Human GLP-1 Analogue, Reduces Body Weight and Improves Obesity-Related Risk Factors in Obese Non-Diabetic Subjects: a Randomized Placebo-Controlled Trial
Arne Astrup, Luc van Gaal, Aila Rissanen, Leo Niskanen, Mazin al Hakim, Jesper Madsen, Mads Frederik Rasmussen, Stephan Rössner *Frederiksberg, Denmark; Antwerp, Belgium; Helsinki, Finland; Kuopio, Finland; Almere, Netherlands; Bagsvaerd, Denmark; Stockholm, Sweden*

11:45 AM - 12:00 PM

- 64-OR Enhanced Weight Loss Following Pramlintide/Metreleptin Combination Treatment in Overweight and Obese Subjects is Accompanied by Improved Control of Eating
Steven R. Smith, John Blundell, Eric Ravussin, Julie Mitchell, Nicole Kesty, Kevin Shan, Joy Koda, Christian Weyer *Baton Rouge, LA; Leeds, United Kingdom; San Diego, CA*

10:15 AM - 12:00 PM

Session: Oral Abstract Presentations - Clinical Studies - Behavioral and Psychosocial Studies

Chair: Corby Martin and Melissa Napolitano

10:15 AM - 10:30 AM

- 65-OR Differential Brain Responses to Food Pictures in Successful Weight Losers Compared with Normal Weight and Obese Individuals
Jeanne McCaffery, Andreana Haley, Lawrence Sweet, Suzanne Phelan, Hollie Raynor, Angelo del Parigi, Ronald Cohen, Rena Wing *Providence, RI; Austin, TX; Knoxville, TN; New York, NY*

10:30 AM - 10:45 AM

- 66-OR A Functional Magnetic Resonance Imaging Study of the Relation of Consummatory and Anticipatory Food Reward to Obesity
Janet Ng, Eric Stice, Sonja Spoor, Cara Bohon *Eugene, OR*

10:45 AM - 11:00 AM

- 67-OR Impact of Sleep Disturbance on Executive Function and Academic Achievement in Overweight Children
Karen Hammack, Catherine L. Davis, Joseph Tkacz, Ankur Pogula, Amy Blanchard *Augusta, GA; Aiken, SC*

11:00 AM - 11:15 AM

- 68-OR Who Influences Whom? Maternal-Infant Feeding Practices and Later Obesity Risk: A Prospective Cohort Study
Eugene Dinkevich, Lucy Leid, Andrea Petrucz, Harris Huberman *Brooklyn, NY*

11:15 AM - 11:30 AM

- 69-OR Mother-Child Relationships in Obesity-Related Behaviors
Elsie M. Taveras, Katherine H. Hohman, Sarah Price, Kendrin Sonnevile, Sheryl Rifas-Shiman, Kathleen Mitchell, Ken Kleinman, Steven Gortmaker, Matthew W. Gillman *Boston, MA; Watertown, MA*

11:30 AM - 11:45 AM

- 70-OR Changes in Symptoms of Depression in Obese Individuals Treated by Lifestyle Modification, Sibutramine, or Their Combination
Lucy Faulconbridge, Thomas Wadden, Robert I. Berkowitz, David B. Sarwer, Anthony Fabricatore, Louise Hesson *Philadelphia, PA*

11:45 AM - 12:00 PM

- 71-OR Differential Effects of Daily Snack Food Consumption on Food Reinforcement in Obese and Non-Obese Women
Jennifer Temple, Alison Bulkley, Rebecca Badawy, Nicole Krause, Sarah McCann, Leonard Epstein *Buffalo, NY; Ithaca, NY*

10:15 AM - 12:00 PM**Session: Oral Abstract Presentations - Population Studies - Obesity, Morbidity, and Mortality****Chair: Aviva Must and Scott Keith****10:15 AM - 10:30 AM**

- 72-OR Conjoint Effects of Overweight and Smoking in Late Adolescence on Subsequent Mortality: Nationwide Cohort Study
Martin Neovius, Johan Sundstrom, Finn Rasmussen
Stockholm, Sweden; Uppsala, Sweden

10:30 AM - 10:45 AM

- 73-OR Fitness and Fatness as Mortality Predictors in Black and White Men: The Veterans Exercise Testing Study
Paul McAuley, Jonathan Myers, Joshua Abella, Peter Kokkinos, Victor Froelicher
Winston-Salem, NC; Palo Alto, CA; Washington, DC

10:45 AM - 11:00 AM

- 74-OR Pericardial Fat Predicts Incident Coronary Heart Disease Independent of Body Mass Index: The Multi-Ethnic Study of Atherosclerosis (MESA)
Jingzhong Ding, Fang-Chi Hsu, Tamara Harris, Yongmei Liu, Stephen Kritchevsky, Moyses Szklo, Pamela Ouyang, John Jeffrey Carr
Winston-Salem, NC; Bethesda, MD; Baltimore, MD

11:00 AM - 11:15 AM

- 75-OR Obesity and Undiagnosed Diabetes in the United States
Christina Wee, Karen Huskey, Ellen McCarthy
Boston, MA

11:15 AM - 11:30 AM

- 76-OR Chronic Obstructive Pulmonary Disease (COPD), Mortality and Obesity in a National Representative Sample
Ryan Fabrizio, Guichan Cao, Amy Luke, Lara Dugas, Ramon A. Durazo-Arvizu
Maywood, IL

11:30 AM - 11:45 AM

- 77-OR The Duration of Obesity and Risk of Diabetes
Asnawi Abdullah, Anna Peeters, Just Stoelwinder, Susan Shortreed, Helen Walls, Maximilian de Courten
Melbourne, Australia

11:45 AM - 12:00 PM

- 78-OR Impact of Gastric Bypass Surgery on Cancer Incidence and Mortality
Ted Adams, Antoinette Stroup, Richard Gress, Kenneth Adams, Eugenia Calle, Sherman Smith, R. Chad Halversen, Steven Simper, Paul Hopkins, Steven Hunt
Salt Lake City, UT; Minneapolis, MN; Atlanta, GA

10:15 AM - 12:00 PM**Session: Oral Abstract Presentations - Population Studies - The Population Genetics of Obesity****Chair: Jose Fernandez and Kari North****10:15 AM - 10:30 AM**

- 79-OR Genome-Wide Association Meta-Analysis of More than 32,000 Individuals Identifies Several New Genetic Variants Robustly Associated with Body Mass Index
Ruth J.F. Loos, Elizabeth K. Speliotes, Cristen J. Willer, Shengxu Li, Iris M. Heid, Cecilia M. Lindgren
Cambridge, United Kingdom; Cambridge, MA; Ann Arbor, MI; Munich, Germany; Oxford, United Kingdom

10:30 AM - 10:45 AM

- 80-OR Obesity Gene Variants Predict Treatment Failure in Morbidly Obese Patients Undergoing Bariatric Surgery
Christopher D. Still, Glenn Gerhard, G. Craig Wood, Tatiana Figueredo, Peter Benotti
Danville, PA; Trenton, NJ

10:45 AM - 11:00 AM

- 81-OR Growth Patterns of Pima Indians with a Dysfunctional Melanocortin-4 Receptor
Marie Thearle, Robert Hanson, Lijun Ma, Leslie Baier, Clifton Bogardus, William Knowler, Jonathan Krakoff
Phoenix, AZ

11:00 AM - 11:15 AM

- 82-OR Identification and Association of CNR1 Promoter SNPs with Body Weight in Baboons
J. Michael Proffitt, V. Saroja Voruganti, Karin Haack, Anthony Comuzzie, Shelley Cole
San Antonio, TX

11:15 AM - 11:30 AM

- 83-OR The Association of the FTO Gene with Body Mass Index Emerges in Childhood: Results from a Longitudinal Study of Filipinos from Birth to Young Adulthood
Linda Adair, Leslie Lange, Amanda Marvelle, Li Qin, Karen Mohlke
Chapel Hill, NC

11:30 AM - 11:45 AM

- 84-OR Pathway-Based Genome-Wide Association Analyses Identified VIP (Vasoactive Intestinal Peptide) as a Novel Pathway for Obesity
Yongjun Liu, Yanfang Guo, Hong-Wen Deng
Kansas City, MO

11:45 AM - 12:00 PM

- 85-OR Functional Haplotypes of MTMR9 are Associated with Obesity Phenotype
Kikuko Hotta
Yokohama, Japan

Oral Presentations

October 6, 2008

8:00 AM - 9:45 AM

**Session: Lilly Scientific Achievement Award and Lecture/
Ethan Sims Young Investigator Award**
Chair: Eric Ravussin

8:05 AM - 8:20 AM

- 86-OR Analysis of >29,000 Genome-Wide Scans Reveals Many Loci with Strong Associations to Central Obesity
Elizabeth K. Speliotes, Cecilia M. Lindgren, Iris M. Heid, Joshua Randall, Claudia Lamina, Ruth J.F. Loos, Cristen J. Willer, Shengxu Li *Cambridge, MA; Oxford, United Kingdom; Munich, Germany; Cambridge, United Kingdom; Ann Arbor, MI*

8:20 AM - 8:35 AM

- 87-OR Clusters of Infant Growth Trajectories are Associated with Risk of Adult Overweight
Meghan Slining, Linda Adair *Chapel Hill, NC*

8:35 AM - 8:50 AM

- 88-OR Enhanced Pancreatic Beta Cell Function with Mixed Meal in T2DM Subjects One Month after Bariatric Surgery Is Related to Increased Incretin Response
Sameera Daud, Karen R. Kelly, Hla Win, Sangeeta Kashyap, John P. Kirwan, Philip Schauer, Stacy Brethauer *Cleveland, OH*

8:50 AM - 9:05 AM

- 89-OR Determinants of Intramyocellular Lipotoxicity in Humans
Cedric Moro, Jose Galgani, Gerd Schmitz, Dominique Langin, Gerhard Liebisch, Steven R. Smith *Baton Rouge, LA; Regensburg, Germany; Toulouse, France; Regensburg, Germany*

9:05 AM - 9:20 AM

- 90-OR Endogenous Hindbrain GLP-1R Activation Contributes to the Control of Food Intake by Mediating Gastric Satiating Signaling
Matthew Hayes, Harvey Grill *Philadelphia, PA*

10:00 AM - 11:45 AM

**Session: Oral Abstract Presentations - Cell and Molecular
Biology - The Cell Biology of Obesity**
Chair: Carey Lumeng

10:00 AM - 10:15 AM

- 91-OR M1 Activation of Adipose Tissue Macrophages is Coupled to the Localized Recruitment of an Inflammatory Macrophage Subtype
Carey Lumeng, Jennifer Delproposto, Daniel Westcott, Alan Saltiel *Ann Arbor, MI*

10:15 AM - 10:30 AM

- 92-OR Diet-Induced Obesity Induces Premature Thymic Involution and Compromises T cell Repertoire Diversity
Hyunwon Yang, Yun-Hee Youm, Donald Ingram, Vishwa Dixit *Baton Rouge, LA*

10:30 AM - 10:45 AM

- 93-OR Sirt1 in Human Adipose Tissue - Effects of Obesity and Fasting
Steen B. Pedersen, Jens Ølholm, Søren Kildeberg Paulsen, Marianne F. Bennetzen, Bjorn Richelsen *Aarhus, Denmark*

10:45 AM - 11:00 AM

- 94-OR Ras Pathway Activation Can Increase Cellular Glucose Uptake Without Insulin Stimulation in Human Adipose Tissue Derived Stem Cells
Olga Dubuisson, Kumar Dasuri, Emily McAllister, Nazar Mashtalir, Jeffery Gimble, Nikhil Dhurandhar *Baton Rouge, LA*

11:00 AM - 11:15 AM

- 95-OR Inhibition of AMP-Activated Protein Kinase Activation During the Stimulation of Lipolysis Augments Energy Depletion, Oxidative Stress, and Inflammation in 3T3-L1 Adipocytes
Marie-Soleil Gauthier, Rong Tao, Zhijun Luo, Vera Schultz, José Cacicedo, James Perfield, Andrew Greenberg, Neil B. Ruderman *Boston, MA*

11:15 AM - 11:30 AM

- 96-OR Excess Glucose and Saturated Free Fatty Acids Stimulate the Production of Monocyte Chemotactic Factors by Adipocytes
Chang Yeop Han, Atil Y. Kargi, Alan Chait *Seattle, WA*

11:30 AM - 11:45 AM

- 97-OR Effect of Human Adenovirus-36 in a Localized In Vivo Model of Neoadipogenesis
Gregory Thomas, Randall Craft, Daniel Tilkorn, Effie Keramidaris, Wayne Morrison, Anthony Penington, Tony Blick *Oxford, United Kingdom; Scottsdale, AZ; Munster, Germany; Melbourne, Australia; Fitzroy, Australia*

10:00 AM - 11:45 AM**Session: Oral Abstract Presentations - Integrative Biology - Animal Models of Energy Balance****Chair: Kellie Tamashiro****10:00 AM - 10:15 AM**

- 98-OR Maternal Adiposity Predisposes Offspring to Obesity Independent of Maternal Diet
Christy White, Megan Purpera, Christopher Morrison
Baton Rouge, LA

10:15 AM - 10:30 AM

- 99-OR Effects of Multiple Cycles of Weight Loss and Regain on the Body-Weight Regulatory System in Rats
Ellen A. Schur, R. Scott Frayo, David E. Cummings
Seattle, WA

10:30 AM - 10:45 AM

- 100-OR Altered Reward and Feeding in Transgenic Mice that Lack Dopamine: a New Role for Response Selection in Disorders of Appetitive Motivation
Claire Cannon, Sergey Gurevich, Erin Ruedinger, Victoria Lutgen, Travis Rush
Milwaukee, WI; Mequon, WI

10:45 AM - 11:00 AM

- 101-OR Energy Balance Effects of Parabrachial Nucleus Melanocortin and Leptin Receptor Stimulation
Karolina Skibicka, Harvey Grill
Philadelphia, PA

11:00 AM - 11:15 AM

- 102-OR Oxytocin Deficiency Mediates Hyperphagic Obesity of Sim1 Haploinsufficient Mice
Bassil Kublaoui, Terry Gemelli, Kristen P. Tolson, Andrew Zinn
Dallas, TX

11:15 AM - 11:30 AM

- 103-OR Increased Leptin, Insulin and PYY do not Explain the Persistent Hypophagia that Accompanies Involuntary Overfeeding
Christy White, Megan Purpera, Christopher Morrison
Baton Rouge, LA

11:30 AM - 11:45 AM

- 104-OR Leptin Regulates Food Intake via Dopamine Receptor Dependent Mechanisms
Sonja Billes, Michael Cowley, Pablo Enriori
Beaverton, OR; Clayton, Victoria, Australia

10:00 AM - 11:45 AM**Session: Oral Abstract Presentations - Clinical Studies - Effects of Physical Activity on Obesity****Chair: John Jakicic and Kelli Davis****10:00 AM - 10:15 AM**

- 105-OR The Effects of Overfeeding on Measured Physical Activity in OP and OR Humans
Kristin Harmon, Elizabeth Kealey, JP Ingebrigtsen, Daniel Bessesen
Aurora, CO; Denver, CO

10:15 AM - 10:30 AM

- 106-OR Objective Assessment of Physical Activity in the National Weight Control Registry
Victoria Catenacci, Gary Grunwald, JP Ingebrigtsen, John Jakicic, Suzanne Phelan, Rena Wing, James Hill, Holly Wyatt
Denver, CO; Aurora, CO; Pittsburgh, PA; Providence, RI

10:30 AM - 10:45 AM

- 107-OR Becoming Physically Active after Bariatric Surgery is Associated with Improved Weight Loss and Health-Related Quality of Life
Dale Bond, Suzanne Phelan, Luke Wolfe, Ronald Evans, Jill Meador, John Kellum, James Maher, Rena Wing
Providence, RI; Richmond, VA

10:45 AM - 11:00 AM

- 108-OR Sedentary Behaviour is Associated with Increased Metabolic Risk in Young Children
Katie Suriano, Jacqueline Curran, Sue Byrne, Elizabeth Davis
Subiaco, Australia; Perth, Australia

11:00 AM - 11:15 AM

- 109-OR Energy Cost of ExerGaming in Adolescents
Bruce Bailey, Fredlyne Marcelus, Marc Lujares, Larry Kennard, Kyle McInnis
Boston, MA; Rockland, MA; Brockton, MA

11:15 AM - 11:30 AM

- 110-OR Energy Expenditure During Wii Sports Minigames in Overweight Children: Comparing Data Parameter Selection
Elizabeth Lyons, Deborah Tate, Karen Erickson, Amber Vaughn, Molly Grabow, Dianne Ward
Chapel Hill, NC

11:30 AM - 11:45 AM

- 111-OR Influence of Fitness on 24-Month Changes in Physical Activity and Weight Loss
Jessica Unick, John M. Jakicic, Amy Otto
Pittsburgh, PA

TOS 2008 ABSTRACT SUPPLEMENT

ORAL PRESENTATIONS

10:00 AM - 11:45 AM

Session: Oral Abstract Presentations - Clinical Studies - Body Composition/Methodology Studies
Chair: Dympna Gallagher and Kevin Hall

10:00 AM - 10:15 AM

- 112-OR The Relationship Between Body Mass Index, Treatment, and Mortality in Patients with Established Coronary Artery Disease: A Report from APPROACH
Antigone Oreopoulos, Finlay McAlister, Kamyar Kalantar-Zadeh, Raj Padwal, Justin Ezekowitz, Arya Sharma, Gregg Fonarow, Colleen Norris *Edmonton, AB, Canada; Torrance, CA; Los Angeles, CA*

10:15 AM - 10:30 AM

- 113-OR An Isocaloric High Protein Low GI Weight Loss Diet is More Effective in Reducing Abdominal Fat Loss than a Low GI High Carbohydrate Diet in Overweight/Obese Men
Manny Noakes, Grant Brinkworth, Jennifer Keogh, Peter Clifton *Adelaide, Australia*

10:30 AM - 10:45 AM

- 114-OR Impact of Left Atrial Volume Index and Left Ventricular Geometry on Mortality in Obese versus Non-Obese Patients with Preserved Ejection Fraction
Dharmendrakumar A. Patel, Carl J. Lavie, Surya Artham, Richard Milani, Hector Ventura *New Orleans, LA*

10:45 AM - 11:00 AM

- 115-OR Whole body Intermuscular Adipose Tissue and In Vivo Insulin Sensitivity in Black and White Youth
Sojung Lee, Yoonmyung Kim, Silva Arslanian *Pittsburgh, PA*

11:00 AM - 11:15 AM

- 116-OR Sarcopenic Obesity as a Predictor of Mortality in Cancer Patients
Carla Prado, Jessica Liefers, Linda McCargar, Tony Reiman, Michael Sawyer, Lisa Martin, Vickie Baracos *Edmonton, AB, Canada*

11:15 AM - 11:30 AM

- 117-OR Regional Temperature Differences in Obese and Lean Adults
David Savastano, Alexander Gorbach, Henry Eden, Sheila Brady, Rachael Sorg, Jenna Checchi, Jack Yanovski *Bethesda, MD*

11:30 AM - 11:45 AM

- 118-OR Bowel, Renal and Bone Health Markers During Weight Loss on a High Protein High Red Meat Diet Compared to an Isocaloric High Carbohydrate Diet in Overweight/Obese Men at 1 Year
Manny Noakes, Grant Brinkworth, Tony Bird, Michael Fenech, Nathan O'Callaghan, Jennifer Keogh, Bianca Benassi, Peter Clifton *Adelaide, Australia*

10:00 AM - 11:45 AM

Session: Oral Abstract Presentations - Population Studies - Metabolic Consequences of Obesity
Chair: Terry Huang and Shine Chang

10:00 AM - 10:15 AM

- 119-OR Association of Blood Lactate with Type 2 Diabetes: The Atherosclerosis Risk in Communities Carotid MRI Study
Stephen Crawford, Ron Hoogeveen, Frederick Brancati, Brad Astor, Christie Ballantyne, Maria Ines Schmidt, J. Hunter Young *Baltimore, MD; Houston, TX; Porto Alegre, Brazil*

10:15 AM - 10:30 AM

- 120-OR Association of Adiposity with Desaturase 5 ($\Delta 5$) Among James Bay Cree
Yuan Eva Zhou, Stan Kubow, Éric Dewailly, Grace M. Egeland *Montreal, Quebec, Canada; Ste. Anne de Bellevue, QC, Canada; Laval, QC, Canada*

10:30 AM - 10:45 AM

- 121-OR The Relationship of Retinol Binding Protein 4 to Changes in Insulin Resistance and Cardiometabolic Risk in Overweight Black Adolescents
Elizabeth Goodman, Timothy Graham, Lawrence Dolan, Stephen Daniels, Eric Goodman, Barbara Kahn *Boston, MA; Cincinnati, OH; Denver, CO*

10:45 AM - 11:00 AM

- 122-OR Visfatin is Markedly Elevated in Overweight and Obese Children and Adolescents with Metabolic Syndrome
Magnhild Louise Pollestad, Teresia Wangensteen, Geir Joner, Cathrine Brunborg, Kirsten Holven, Pål Aukrust, Bente Halvorsen, Serena Tonstad *Oslo, Norway*

11:00 AM - 11:15 AM

- 123-OR Metabolic Syndrome in Adolescents: Effects of Diet and Physical Activity
Lynn L. Moore, Mustafa Qureshi, Martha R. Singer, M. Loring Bradlee *Boston, MA*

11:15 AM - 11:30 AM

- 124-OR Insulin Resistance - An Effect Moderator of Weight Loss Success on High vs. Low Carbohydrate Diets
Christopher Gardner, Andrea Bersamin, Soowon Kim, Booil Jo, Mindy Dopler Nelson, Beibei Oelrich, Abby King *Stanford, CA*

11:30 AM - 11:45 AM

- 125-OR The Effect of Weight on Blood Nutrient Concentrations in a Representative US Adult Population: Results From the National Health and Nutrition Examination Survey (NHANES), 1999-2004
Xuan-Mai Nguyen *Ithaca, NY*

10:00 AM - 11:45 AM**Session: Oral Abstract Presentations - Population Studies - Environmental and Behavioral Influences on Obesity****Chair: Cara Ebbeling and Nefertiti Durant****10:00 AM - 10:15 AM**

- 126-OR Neighborhood Built Environment and Physical Activity in Urban Adolescents—Evaluating a Structural Model of Walking Behavior and Physical Activity
Carolyn Voorhees, Alice Yan, Kelly Clifton, Min Qi Wang
College Park, MD

10:15 AM - 10:30 AM

- 127-OR Influence of the Built Environment on Development of Obesity During Childhood
Kiros Berhane, Michael Jerrett, Chih-Chieh Chang, Jennifer Wolch, Rob McConnell
Los Angeles, CA; Berkeley, CA

10:30 AM - 10:45 AM

- 128-OR Modeling the Effects of Economic and Infrastructural Changes on Long-Term Shifts in Diet, Activity and BMI in China
Shu Wen Ng
Chapel Hill, NC

10:45 AM - 11:00 AM

- 129-OR Exploring Social Networks to Mitigate the Obesity Epidemic
David Bahr, Ray Browning, Holly Wyatt, James Hill
Denver, CO

11:00 AM - 11:15 AM

- 130-OR Food Branding Influences ad Libitum Intake Differently in Overweight and Lean Children
Kathleen Keller, Jamie Forman, Megan Macdougall, Heather Summe, Jason Halford
New York, NY; Bellmore, NY; Weston, MA; Liverpool, United Kingdom

11:15 AM - 11:30 AM

- 131-OR Increasing Consumption of Sugar-Sweetened Beverages among U.S Adults: 1988-1994 to 1999-2004
Sara Bleich, Claire Wang
Baltimore, MD; New York, NY

11:30 AM - 11:45 AM

- 132-OR Net Impact on Energy Intake from Replacing Sugar-Sweetened Beverages with Alternatives among Children and Adolescents
Claire Wang, David Ludwig, Kendrin Sonneville, Steven Gortmaker
New York, NY; Boston, MA

Oral Presentations

October 7, 2008

8:00 AM - 9:30 AM**Session: Oral Abstract Presentations - Cell and Molecular Biology - Regulation of Gene Expression****Chair: Evan Rosen****8:00 AM - 8:15 AM**

- 133-OR Post Transcriptional Control of C/EBP β Expression: Influence of the Interaction Between the RNA Binding Protein HuR and C/EBP β mRNA
Vesna Karschner, Renee Lea-Currie, Melinda Carver, Phillip Pekala *Greenville, NC; Research Triangle Park, NC*

8:15 AM - 8:30 AM

- 134-OR Exendin-4 Reduces Inflammatory Response of Human Adipose Tissue/Cells to Macrophage-Secreted Cytokines
Paska Permana *Phoenix, AZ*

8:30 AM - 8:45 AM

- 135-OR Changes in the Transcriptome of Abdominal Subcutaneous Adipose Tissue in Response to Short Term Overfeeding in Lean and Obese Men
Jennifer Shea, Curtis French, Jessica Bishop, Glynn Martin, Barbara Roebbothan, David Pace, Donald Fitzpatrick, Guang Sun *St. John's, NL, Canada; Edmonton, AB, Canada*

8:45 AM - 9:00 AM

- 136-OR PYY and Proglucagon mRNA are Upregulated by High Fiber Diet in a Rat Model of Mismatched and Then Re-Matched Nutritional Environment
Megan Hallam, Lindsay Eller, Raylene Reimer *Calgary, AB, Canada*

9:00 AM - 9:15 AM

- 137-OR Adipose Tissue Gene Expression in Insulin Sensitive and Insulin Resistant Obese Postmenopausal Women
Lise Coderre, May Faraj, Marie-Eve Lavoie, Marc Prentki, Robert Sladek, Remi Rabasa-Ihoret *Montreal, QC, Canada*

9:15 AM - 9:30 AM

- 138-OR Simvastatin Increase Osteogenic Differentiative Potential and Decrease Adipogenic Potential in Human Preadipocyte cells
Jae Heon Kang, Il Kyu Lee, So-Hyun Sun, Se-Hong Kim, Woong-Hwan Choi, Kyung-Soo Kim *Seoul, South Korea*

8:00 AM - 9:30 AM**Session: Oral Abstract Presentations - Integrative Biology - Control of Eating and Its Disorders****Chair: Tanya Kral****8:00 AM - 8:15 AM**

- 139-OR Cortisol and Ghrelin following a Laboratory Stressor in Obese Night Eaters
Susan Carnell, Marci Gluck, Allan Geliebter *New York, NY; Phoenix, AZ*

8:15 AM - 8:30 AM

- 140-OR Macronutrient Regulation of Serum Ghrelin in Children with Prader-Willi Syndrome (PWS)
Andrea Haqq, Steve Grambow, Michael Muehlbauer, Christopher Newgard, Laura Svetkey, Diane Stadler, Jonathan Purnell, Michael Freemark *Durham, NC; Portland, OR*

8:30 AM - 8:45 AM

- 141-OR Human Adenovirus-36 Infection: A Marker for a Metabolically Favorable Profile in Humans
Alok Gupta, Nazar Mashtalir, Frank Greenway, Steven Smith, George Bray, William Johnson, Nikhil Dhurandhar *Baton Rouge, LA*

8:45 AM - 9:00 AM

- 142-OR Cerebral Network Activation Elicited by Food-Related Odors in Obese and Lean Subjects: A Pilot Study
Veronique Bragulat, Mario Dziedzic, Cari A. Cox, Thomas Talavage, Robert V. Considine, David A. Kareken *Indianapolis, IN; West Lafayette, IN*

9:00 AM - 9:15 AM

- 143-OR Brain Imaging of Extracellular Dopamine During Food Stimulation in Subjects with Binge Eating Disorder
Gene-Jack Wang, Allan Geliebter, Nora D. Volkow, Frank Telang, Peter Selig, Kochavi Galanti, Jean Logan, Christopher Wong, Joanna Fowler, Panayotis K. Thanos *Upton, NY; New York, NY; Rockville, MD; Brooklyn, NY*

9:15 AM - 9:30 AM

- 144-OR Neuronal Responses to Visual Food Cues and Measures of Appetite in Obese Resistant and Obese Prone Individuals
Marc-Andre Cornier, Andrea Salzberg, Daniel Bessesen, Jason Tregellas *Denver, CO; Aurora, CO*

8:00 AM - 9:30 AM**Session: Oral Abstract Presentations - Clinical Studies - Intervention Studies-Mixed****Chair: Amy Govin and Robert Ross****8:00 AM - 8:15 AM**

- 145-OR A Primary Care Weight Loss Intervention Using Medical Assistants as Counselors
Adam Gilden Tsai, Thomas Wadden, Marisa A. Rogers, Monica O. Ferguson, Craig Wynne, Susan Day, Felicia Pearson, Donna Beshel, Buneka Islam *Philadelphia, PA*

8:15 AM - 8:30 AM

- 146-OR Low Carbohydrate and Low Calorie/Low Fat Diets Decrease Cravings and Preferences for Restricted Foods Over Two Years
Corby Martin, Diane Rosenbaum, Paula Geiselman, Holly Wyatt, Samuel Klein, James Hill, Gary Foster *Baton Rouge, LA; Philadelphia, PA; Denver, CO; St Louis, MO*

8:30 AM - 8:45 AM

- 147-OR The Effect of Metformin or Lifestyle Intervention on Obesity in Young Women
Siew Lim, Robert Norman, Peter Clifton, Manny Noakes *Adelaide, Australia*

8:45 AM - 9:00 AM

- 148-OR A Two-Year Study to Assess the Efficacy, Safety and Tolerability of Taranabant, a Highly Selective CB1-R Inverse Agonist, in Obese Patients: 104-Week Results
Louis J. Aronne, Serena Tonstad, Ira Gantz, Ngozi Erondu, Solveig Sieberts, Cliona Molony, Shailaja Suryawanshi, Jagriti Nayee, Amy Levonas, Steven Heymsfield, Keith Kaufman, John Amatruda *New York, NY; Oslo, Norway; Rahway, NJ; Seattle, WA*

9:00 AM - 9:15 AM

- 149-OR Changes in Cardiometabolic Risk Factors in Obese African Americans Following Changes in Energy Intake Alone, Diet Composition Alone, or Energy and Diet Composition
Jamy Ard, Wendy Jefferson, Catherine Bethea, Tiffany L. Cox, Lori Greene, Virginia Menendez, Barbara Gower *Birmingham, AL; Tuscaloosa, AL*

9:15 AM - 9:30 AM

- 150-OR Effects of a Weight Loss Intervention on Adipose Tissue Depots Using Whole-Body MRI in Adults with Type 2 Diabetes
Dympna Gallagher, David Kelley, Xavier Pi-Sunyer, Stanley Heshka *New York, NY; Rahway, NJ*

8:00 AM - 9:30 AM**Session: Oral Abstract Presentations - Clinical Studies - Studies on Pediatric and Adolescent Obesity****Chair: Melinda Sothorn and Elissa Jelalian****8:00 AM - 8:15 AM**

- 151-OR Meal Replacements in the Treatment of Adolescent Obesity
Robert I. Berkowitz, Christine Gehrman, Chanelle T. Bishop-Gilyard, Joanna Cronquist, Renee Moore, Geraldine M. Budd, Leslie G. Womble, Natalie Liepinis, Thomas Wadden *Philadelphia, PA*

8:15 AM - 8:30 AM

- 152-OR High Milk Supplementation With Healthy Diet Counseling Does Not Improve Weight Loss or Metabolic Risk Factors Compared To Fruit Drink Supplementation in Overweight Children
Marie-Pierre St-Onge, Laura Lee Goree, Ami Vikani, Barbara Gower *New York, NY; Birmingham, AL*

8:30 AM - 8:45 AM

- 153-OR Efficacy of HIKCUPS (Hunter & Illawarra Kids' Challenge Using Parent Support) in Promoting Movement Competency, Perceived Competence and Physical Activity at 1-year Follow-Up: Results of a Multi-Site Randomized Trial for Overweight 5-9 year olds
Dylan Cliff, Anthony Okely, Philip Morgan, Julie Steele, Rachel Jones, Louise Baur *Wollongong, Australia; Newcastle, Australia; Sydney, Australia*

8:45 AM - 9:00 AM

- 154-OR How Much is Enough: Effects of Portion and Serving Spoon Size on the Amount of Children's Self-Served Entrée Portion and Intake
Jennifer Fisher, Leann Birch, Michael Grusak, Sheryl Hughes *Houston, TX; University Park, PA*

9:00 AM - 9:15 AM

- 155-OR A Pilot Study Comparing Internet Parent Skills Training vs. Internet Parental Weight Loss Programs for Reducing Child Overweight
Deborah Tate, Karen Erickson, Amber Vaughn, Molly Grabow, Dianne Ward *Chapel Hill, NC*

9:15 AM - 9:30 AM

- 156-OR Maternal Factors Associated with Infant and Toddler Eating Behaviors
Chantelle Hart, Hollie Raynor, Elissa Jelalian, Denny Drotar *Providence, RI; Knoxville, TN; Cincinnati, OH*

TOS 2008 ABSTRACT SUPPLEMENT

ORAL PRESENTATIONS

8:00 AM - 9:30 AM

Session: Oral Abstract Presentations - Population Studies - Early Life Risk Factors

Chair: Elsie M. Taveras and Nicolas Stettler

8:00 AM - 8:15 AM

- 157-OR Effects of Birth Weight on Intra-Abdominal Versus Subcutaneous-Abdominal Adiposity in Adults
Emanuella de Lucia Rolfe, Celine Druet, Ruth J.F. Loos, Ronald Stolk, Ken Ong *MRC Epidemiology Unit, Cambridge, United Kingdom; Cambridge, United Kingdom; Groningen, Netherlands*

8:15 AM - 8:30 AM

- 158-OR Growth over Childhood and Mortality from Breast and Ovarian Cancer
Aviva Must, Sarah Anderson, Elena Naumova *Boston, MA; Columbus, OH*

8:30 AM - 8:45 AM

- 159-OR Childhood Precursors for Adulthood Cardiovascular and Type 2 Diabetes
Shumei Sun, Christine Schubert, Wm Cameron Chumlea, Bradford Towne, Miryoung Lee, Stefan Czerwinski, Audrey Choh, Roger Siervogel *Richmond, VA; Dayton, OH*

8:45 AM - 9:00 AM

- 160-OR Meta-Analysis of Rapid Infancy Weight Gain and Childhood and Adult Obesity: the METRIC Collaboration
Celine Druet, Nicolas Stettler, Ken Ong *Cambridge, United Kingdom; Philadelphia, PA*

9:00 AM - 9:15 AM

- 161-OR Childhood Growth and the Risk of Coronary Heart Disease in Adulthood
Jennifer Baker, Lina Olsen, Thorkild IA Sørensen *Copenhagen, Denmark*

9:15 AM - 9:30 AM

- 162-OR Gestational Weight Gain and Offspring Weight in Adolescence
Emily Oken, Sheryl Rifas-Shiman, Alison E. Field, Lindsay Frazier, Matthew W. Gillman *Boston, MA*

8:00 AM - 9:30 AM

Session: Oral Abstract Presentations - Population Studies - Obesity and Mental Health/Aspects of Well Being/Achievement

Chair: Alison E. Field and Sarah Anderson

8:00 AM - 8:15 AM

- 163-OR Association of Post-Traumatic Stress Disorder and Obesity in a Nationally Representative Sample
Sherry Pagoto, Stephenie Lemon, Kristin Schneider, Jamie Bodenlos, Yunsheng Ma *Worcester, MA*

8:15 AM - 8:30 AM

- 164-OR Race/Ethnicity Differences in Association of Obesity and Depressive Symptoms in Middle School Girls Assessed in 6th and 8th Grade
Sarah Anderson, David Murray, Carolyn Johnson, John Elder, Leslie A. Lytle, Jared Jobe, Brit Saksvig, June Stevens *Columbus, OH; New Orleans, LA; San Diego, CA; Minneapolis, MN; Bethesda, MD; College Park, MD; Chapel Hill, NC*

8:30 AM - 8:45 AM

- 165-OR The Role of Weight-Based Teasing in the Association Between Childhood Overweight and Academic Performance
Rebecca Krukowski, Delia West, Amanda Philyaw Perez, Zoran Bursac, Martha Phillips, James Raczynski *Little Rock, AR*

8:45 AM - 9:00 AM

- 166-OR Emotional Health and Weight Gain in Women: A Prospective Cohort Study
Larry Tucker, Ann Bahr *Provo, UT*

9:00 AM - 9:15 AM

- 167-OR Association of Depression Symptoms and Body Mass Index (BMI) in 15-19 Year-Old Jamaican Adolescents
Damion Francis, Novie Younger, Jan van den Broeck, Shelly Mcfarlane, Georgiana Gordon-Strachan, Andriene Grant, Ayesha Johnson, Marshall Tulloch-Reid, Rainford Wilks *Kingston 7, Jamaica; Mona, Jamaica; Kingston, Jamaica*

9:15 AM - 9:30 AM

- 168-OR Is Adolescent Overweight Adversely Associated with Educational Attainment?
Angela Fowler-Brown, Long Ngo, Christina Wee *Boston, MA*