

## Curriculum Vitae

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**Name:** Jack Adam Yanovski, M.D., Ph.D.

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**Marital Status:** Married, three children

**Education:** M.D., University of Pennsylvania, 1986  
Ph.D. (Physiological Psychology), University of Pennsylvania, 1989  
B.A., University of Pennsylvania,  
Majors Biology and Psychology, Summa Cum Laude, 1984

**Licensure:** Maryland, Pennsylvania (inactive)

**Board Certification:** Pediatrics, 1989, recertified 1998  
Pediatric Endocrinology, 1992, recertified 1999, 2006, 2016

### Professional History:

2010-Date Chief, Section on Growth and Obesity, PEMG, NICHD, NIH  
1997-2010 Head, Unit on Growth and Obesity, PDEGEN, NICHD, NIH  
1999-2002 Chief, Inpatient Pediatric Endocrine Service, NICHD, NIH  
1994-1998 Chief, Pediatric Multi-Institute Inpatient Unit, NIH Clinical Center, National Institutes of Health, Bethesda, Maryland, 20892  
1992-1994 Medical Staff Fellow, Pediatric Endocrinology, NICHD, NIH  
1989-1992 Pediatric Endocrinology Fellowship, NICHD, NIH  
1989-1993 Assistant Professor of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD  
1989-Date United States Public Health Service, current rank: Captain  
1986-1989 Internship and Residency, Pediatrics  
The Children's Hospital of Philadelphia, Philadelphia, PA 19104  
1981-1989 Graduate research with N.T. Adler, Ph.D., University of Pennsylvania  
Dissertation: The Organization of Circadian Rhythmicity in the Rat  
1977-1981 Undergraduate research with D. Jameson and L. Hurvich, Ph.D. (Psychophysics of spatial and color vision), and C.R. Gallistel, Ph.D., (Diencephalic mechanisms of reward), University of Pennsylvania

### Professional Association Memberships:

Fellow, The Obesity Society/North American Association for the Study of Obesity 1996-Date  
Society for Pediatric Research 1993-Date  
Pediatric Endocrine Society (Lawson Wilkins Pediatric Endocrine Society) 1990-Date

The Endocrine Society 1990-Date  
American Society for Nutrition 1998-2015  
USPHS Commissioned Officers Association 1989-Date  
Phi Beta Kappa 1980-Date

### **Academic Awards and Honors**

- 2018 Excellence in Mentoring Award, NICHD, NIH
- 2018: NICHD Director's Collaboration Award for the "All of Us" NICHD Working Group
- 2018: Mentor, Miranda M. Broadney, MD: Pediatric Endocrine Society Clinical Scholar Award 2018-2020
- 2017: Mentor, Miranda M. Broadney, MD: Obesity Society Ethan Sims Young Investigator Award Finalist
- 2016: NICHD Director's Collaboration Award for DIR Recruitment Committee
- 2016 Achievement Medal, United States Public Health Service
- 2016: Mentor, Ovidiu A. Galescu, MD: Human Growth Foundation best growth-related abstract award by a trainee and Pediatric Academic Societies Young Investigator Travel Award
- 2016 Mentor, Dezmond Taylor-Douglas, PhD: Endocrine Society Outstanding Abstract Award
- 2016 Public Health Service Presidential Unit Citation
- 2015 Mentor, Ovidiu A. Galescu, MD: Endocrine Society Outstanding Abstract Award; Pediatric Endocrine Society Presidential Poster Award; Human Growth Foundation best growth-related abstract award by a trainee, Pediatric Academic Societies Young Investigator Travel Award
- 2014 NIH Director's Ruth L. Kirschstein Mentoring Award
- 2014 International Award for Publishing Excellence in the *Journal of Clinical Endocrinology and Metabolism*: "Sex-Associated Differences in Free Fatty Acid Flux of Obese Adolescents"
- 2013 Bar-Or Award for Excellence in Pediatric Obesity Research, Pediatric Obesity Section, The Obesity Society
- 2013 Excellence in Mentoring Award, NICHD, NIH
- 2013 Mentor, Bong Gi Lee, PhD, Obesity Society Ethan Sims Young Investigator Award Finalist
- 2013 Mentor, Bong Gi Lee, PhD, NIH Fellow Award for Research Excellence awardee
- 2012 Outstanding Reviewer Recognition Award, The Endocrine Society
- 2012 Co-Mentor (with Joan Han, MD), Alyson Hanish, Graduate Student, Presidential Poster Competition Winner, The Endocrine Society Annual Scientific Meeting
- 2011 Outstanding Service Medal, United States Public Health Service
- 2007 Mentor, Joan C. Han, MD, Obesity Society Ethan Sims Young Investigator Awardee
- 2007 Mentor, Joan C. Han, MD, NIH Clinical Center Bench to Bedside Award: WAGR Syndrome: Clinical Characterization and Correlation with Genotype
- 2006 Mentor, Mary D. Roberts, MD, The Endocrine Society Endocrine Fellows Foundation Research Grant Awardee
- 2006 Mentor, Marian Tanofsky-Kraff, PhD, Academy of Eating Disorders Early Career Investigator Best Paper Awardee
- 2005 Mentor, Cong Ning, MD, PhD, The Endocrine Society AstraZeneca Diabetes & Metabolism Research Fellow Awardee
- 2005 Certificate of Appreciation, Food and Drug Administration, CDER
- 2003 Mentor, Ningping Feng, PhD, NAASO Ethan Sims Young Investigator Award Finalist
- 2001 Outstanding Service Medal, United States Public Health Service
- 2001 Josef Hoog Award, Commissioned Officers Association
- 2000 EEO Special Achievement Award, NICHD, NIH
- 2000 Clinical Research Award, Plastic Surgery Educational Foundation
- 1999 Certificate of Commendation, American Academy of Pediatrics

- 1999 Finalist, JD Lane Investigator Award, COA, USPHS
- 1999 Second Prize, Margileth Competition, AAP Uniformed Services Ped. Seminar
- 1998 Director's Award, National Institutes of Health Clinical Center
- 1998 Bicentennial Unit Commendation, USPHS
- 1997 First Prize, Margileth Competition, AAP Uniformed Services Pediatric Seminar
- 1997 Certificate of Merit, AAP Section on Uniformed Services
- 1990 Young Investigator Travel Award, Int'l. Symposium, Endocrinology Under 35
- 1989 Children's Hospital of Philadelphia Research Forum Award
- 1986 Neurology Research Prize, University of Pennsylvania School of Medicine
- 1983 Research Fellowship, University of Pennsylvania Scholar's Foundation
- 1983 Dean's Fellowship, University of Pennsylvania
- 1982 Medical Scientist Training Program Scholarship
- 1981 Phi Beta Kappa, Delta Chapter, University of Pennsylvania
- 1979 Mensa Education and Research Foundation Scholarship
- 1978 University Scholars Program, University of Pennsylvania
- 1977 Benjamin Franklin Scholar, University of Pennsylvania

**Funded Grants:**

- 1996-Date: **Z1AHD00641:** Physiology, Psychology, and Genetic of Obesity. This intramural NICHD grant funds the Section on Growth and Obesity's basic and clinical studies of physiological, psychological, and genetic risk factors for the development of pediatric obesity and its complications. Role: PI
- 2018-2020 **NICHD Division of Intramural Research Director's Investigator Award:** "Novel Approaches to quantify and ameliorate the impact of adipose inflammation on insulin resistance." This project tests if suppression of multiple contributors to obesity-induced inflammation will ameliorate obesity-associated metabolic abnormalities in mice. Role: PI
- 2018-2020 **NCT03440814:** Randomized, Double-Blind, Placebo-Controlled Study Plus Open Label Extension of Diazoxide Choline Controlled-Release (DCCR) Tablet in Patients with Prader-Willi Syndrome. Soleno Therapeutics, Inc. Funds a multi-center RCT study of the effects of DCCR on the hyperphagia and obesity of patients with Prader-Willi syndrome.
- 2018-2020 **Pediatric Endocrine Society Clinical Scholar Award** to Dr. Miranda Broadney. Funds a project examining changes in muscle by MR spectroscopy from interruptions of sedentary behavior. Role: Mentor
- 2017-2019 **NCT03013543:** Setmelanotide Phase 2 Treatment Trial in Patients with Rare Genetic Disorders of Obesity. Rhythm Pharmaceuticals Inc. funds sequencing to identify individuals with leptin signaling pathway deficiencies and a series of open-label clinical trials of setmelanotide in defects proximal to the melanocortin 4 receptor. Role: Site PI
- 2017-2018 **Thrasher Early Career Award** to Dr. Miranda Broadney: Funds a project evaluating if salutary metabolic effects from brief interruptions of sedentary activity in youth are sustainable. Role: Mentor
- 2017-2019 **Bench to Bedside Award:** Melanocortin agonist to bypass leptin resistance of Bardet-Biedl syndrome. Role: PI
- 2016-2018 **Bench to Bedside Award:** Attention Bias Retraining in Adolescents with Loss of Control Eating, ORWH. Funds a pilot project testing if phone-delivered retraining of attention biases away from palatable foods decreases attention biases and energy intake at test meals. Role: PI
- 2015-2018 **FI2GM117589,** NIGMS: Fellowship Award to Dr. Joo Yun Jun: The Role of Human Melanocortin 3 Receptor in Dysfunctional Lipid Autophagy-Associated Obesity; funding for Dr. Jun's post-doctoral fellowship. Role: Mentor

- 2015-2017 **F32HD082982**, NICHD Postdoctoral Award to Dr. Nichole Kelly: The Cognitive Capacity Model for Energy Intake and Excess Weight Gain in Youth; funding for Dr. Kelly's post-doctoral work. Role: Co-Mentor with Marian Tanofsky-Kraff, PhD
- 2015-2017 **Office of Disease Prevention**, NIH: Grant supplement to support clinical protocol "Effects of Interrupting Sedentary Behavior on Metabolic and Cognitive Outcomes in Children." Role: PI
- 2014-2016 **ZAF-311**: Randomized, Double-Blind, Placebo Controlled, Phase 3 Trial of ZGN-440 (Subcutaneous Beloranib in Suspension, Zafgen, Inc.) in Obese Subjects with Prader-Willi Syndrome to Evaluate Total Body Weight, Food-related Behavior, and Safety Over 6 Months. Funds an RCT testing a new methionine aminopeptidase inhibitor in patients with Prader-Willi Syndrome and obesity. Role: Site PI
- 2014-2016 **NICHD Division of Intramural Research Director's Investigator Award**: "Suppression of NLRP3 inflammasome activation to ameliorate obesity-associated metabolic abnormalities." This project tests if suppression of NLRP3 inflammasome activation will ameliorate obesity-associated metabolic abnormalities. Role: PI
- 2014-2016 **Bench to Bedside Award**: Testing Neurobehavioral Endophenotypes of Loss of Control Eating, NICHD. This project examines food-related attention biases in girls with LOC. Role: PI
- 2013-2015 **Office of Disease Prevention**, NIH: Grant supplement to support clinical protocol "Mood and Insulin Resistance in Adolescents at Risk for Diabetes." Role: PI
- 2011-2016 **K99 HD069516**: K99/R00 Award to Dr. Lauren Shomaker: Depression and Insulin Resistance in Adolescents; funding for Dr. Shomaker's post-doctoral/junior faculty career. Role: Co-Mentor with Marian Tanofsky-Kraff, PhD
- 2011-2013 **Bench to Bedside Award**: Depression and Insulin Resistance in Adolescent Girls, OBSSR, NIH. This RCT studies effects on insulin resistance of treating obese girls with a family history of T2DM with a depression prevention program. Role: PI
- 2011-2013 **Bench to Bedside Award**: Fat Metabolism and Function-Altering Polymorphisms in *MC3R*, NIMHD, NIH. Adults with wild type *MC3R* or homozygosity for two rare *MC3R* polymorphisms (T6K+V81I) found to be associated with greater body adiposity are studied during transition to a high-fat diet with radiolabeled fatty acids to examine lipogenesis and lipolysis. Role: PI
- 2010-2013 **Best Idea Grant** for Hyperphagia Research, Prader-Willi Syndrome Association (USA): "Brain-Derived Neurotrophic Factor in Prader-Willi Syndrome and *MC4R* Function-Altering Mutations." This project examines BDNF concentrations in patients with Prader-Willi Syndrome and *MC4R* inactivating mutations. Role: PI
- 2009-2011 **Bench to Bedside Award**: *FTO* and Eating in Absence of Hunger, OBSSR, NIH. This project funded an examination of associations between *FTO* genotypes and stress induced eating among adolescents. Role: PI
- 2008-2010 **Bench to Bedside Award**: Histaminergic Pathways and Energy Intake in Obese Women, ORWH, NIH. This project funded resequencing of genes involved in CNS histaminergic signaling in obese and non-obese women. Role: PI
- 2009-2009 **CRADA, Obecure, Israel**. This CRADA funded a research assistant for a dose ranging study of betahistine hydrochloride's effects on food intake. Role: PI
- 2006-2008 **Bench to Bedside Award**: Melanocortin 3 Receptor Mutations in Pediatric Obesity, NIH Clinical Center. This project funded development of a knock-in mouse. Role: PI
- 2006-2009 **5K23RR022227** (Award to Dr. N. Mirza). "Low glycemic diets in Latino children at-risk for type 2 diabetes." Funding for Dr. Mirza's junior faculty career. Role: Mentor
- 2006-2008 **NCMHD**, NIH: Grant supplement to support clinical protocol: "Effects of Metformin on Energy Intake, Energy Expenditure, and Body Weight in Overweight

Children with Insulin Resistance.” This project was a randomized, double-blind, placebo-controlled trial of metformin hydrochloride (2000 mg/day) in children who are at-risk for type 2 diabetes because of high body weight and hyperinsulinemia.

Role: PI

- 2003-2007 **Office of Dietary Supplements**, NIH: Grant supplement to support clinical protocol: “Supplemental Calcium for Overweight Outpatients.” This study was a 2-year, randomized, double-blind, placebo-controlled trial of calcium supplementation (1500 mg /day of supplementary calcium vs. placebo) in adults with a BMI  $\geq$  25 kg/m<sup>2</sup>. Role: PI
- 2002-2004 **Bench to Bedside Award**: Supplemental Calcium in Overweight Out-Patients, NIH Clinical Center. Role: PI
- 2001-2002 **NCMHD**, NIH: Grant supplement to support clinical protocols: “Treatment of Obesity and its Comorbid Conditions in African American, Caucasian, Hispanic, and Native American Children and Adolescents.” Role: PI
- 1998-2000 **Office of Research on Minority Health**, NIH: Grant supplement to support clinical protocol: “Population Differences in the Insulin Sensitivity, Resting Energy Expenditure, and Body Composition of Overweight Children and Children of Overweight Parents.” Role: PI

### **Professional activities:**

#### *Editorial board membership or other service to journals*

Associate Editor, Obesity, 2015-Date  
Associate Editor, Pediatric Obesity, 2012-Date  
Associate Editor, European Journal of Clinical Investigation: 2009-Date  
Editorial Board, International Journal of Obesity, 2012-Date  
Editorial Board, Journal of Clinical Endocrinology and Metabolism: 2009-Date  
Editorial Board, Journal of Human Endocrinology, 2015-2018  
Editorial Board, Journal of Diabetes & Obesity 2014-2018  
Editorial Board, Journal of Obesity: 2009-2012  
Editorial Board, The Open Endocrinology Journal: 2007-2015  
Editorial Board, Open Endocrinology Reviews: 2007-2015  
Editorial Board, Medscape General Medicine Clinical Nutrition and Obesity: 2006-2009  
Reviewer for N. Engl. J. Med., Lancet, JAMA, J Clin Endocrinol Metab, PNAS, J Pediatr, Pediatrics, JAMA Pediatrics, J Adol Health, Pediatr Res, Obesity/Obes Res, Int J Obes, Diab Obes Metab, J Obes, Obesity Research & Clinical Practice, Int J Eat Disord, Int J Pediatr Obes/Pediatr Obes, Am J Clin Nutr, Nature Clin Pract, Horm Res, Clin Endocrinol, Eur J Endocrinol, Acta Paediatrica, Am J Prev Health, Diabetes, Diabetologia, Diabetes Care, Pediatr Diabetes, Appetite, J Cachexia, Sarcopenia and Muscle, Pediatr Diabetes, Endocrine, Circulation, Cell-Metabolism, Mol and Cell Endocrinol, Tr Endocrinol Metab, Mol Genet Metab, Mol Neurobiol, Diabetes Obes Metab, Science Reports

#### *International/national meeting or session chairmanships (since 2004)*

Organizing Committee/Co-Chair, NIH Workshop, 2017: Developing Precision Medicine Approaches to the Treatment of Severe Obesity in the Adolescent  
Symposium Chair/Speaker, The Endocrine Society, 2017: Pediatric Obesity: Mechanisms, Consequences, and Novel Treatment Approaches  
Symposium Chair, Obesity Society Annual Scientific Meeting, 2016: New Melanocortin Signaling Pathways

Symposium Organizing Committee/Speaker, The Endocrine Society, 2016: Prevention and treatment of pediatric obesity: An Endocrine Society clinical practice guideline  
Symposium Organizer/Chair, Obesity Society Annual Scientific Meeting, 2015: Targeting Sedentary Behaviors to Improve Cardiometabolic Health in Children  
Symposium Organizer/Chair, Obesity Society Annual Scientific Meeting, 2014: Prader Willi Syndrome: A Model for Understanding and Treating Hyperphagia and Obesity  
Symposium Chair, Endocrine Society, 2014: Neuroendocrine and Endocrine Pathways of Obesity  
Symposium Organizer/Speaker, Obesity Society Annual Scientific Meeting 2013: What Outcomes Matter: Prevention and Treatment of Pediatric Obesity to Reduce Diabetes Risk  
Organizing Committee, 2<sup>nd</sup> International Conference on Hyperphagia, October 2012  
Symposium Chair, Obesity Society Annual Scientific Meeting, September 2012: Eating Behavior Phenotype: Cross-cutting genetics, biology, behavior and environment  
Organizing Committee, NIH Workshop, February 2011: Toward a Clinical Definition of Leptin Resistance  
Symposium Chair, Obesity Society Annual Scientific Meeting, October 2010: Molecular defects in pediatric syndromes associated with obesity  
Symposium Co-Chair, Pediatric Academic Societies, May 2009: Reward, Stress, and Obesity  
Symposium Chair, NAASO, October 2006: Intensive treatment of obesity during adolescence  
Chair, Clinical Studies Track, Program Committee, NAASO, 2005 & 2006  
Symposium Chair, NAASO, October 2005: Clinical Implications of Adipose Tissue Distribution  
Symposium Chair, NAASO, October 2005: Pediatric Obesity  
Symposium Chair, Annual Meeting of the American Academy of Child Psychiatry, October 2004: Pediatric Obesity  
Symposium Chair, Endocrine Society, June 2004: Obesity

*Invited lectures and seminars (since 2004)*

Endocrine Grand Rounds and Diabetes and Obesity Research Institute Seminar, University of Southern California, April 2019: The Melanocortin 3 Receptor and Pediatric Obesity  
Nemours Lectures on Pediatric Research Seminar Series, March 2019: Pharmacotherapy for Pediatric Obesity  
Symposium, The Obesity Society Annual Scientific Meeting, November 2018: Toward Precision Approaches for Prevention and Treatment of Obesity in Children  
Georgetown University Hospital, Pediatric Grand Rounds, October 2018: Pediatric Obesity: Consequences and Causes  
NIH International Summit on Human Genetics and Genomics September 2018: Genetics of Pediatric Obesity  
NIH Behavioral and Social Sciences Research Festival, December 2017: Depression and Insulin Resistance in Adolescent Girls – An Intramural NIH Bench to Bedside Investigation  
Eating Disorder Research Society, September 2017: Loss of Control Eating in Children  
Global Fellows Program in Pediatric Endocrinology, September 2017: Strategies to Manage Weight in Patients with Monogenic Syndromes Associated with Obesity  
Northeastern Pediatric Endocrine Society, Keynote Lecture, May 2017: Pediatric Obesity: Syndromes: Beyond Leptin and the Melanocortin 4 Receptor  
Children's Hospital of Pittsburgh, Pediatric Grand Rounds, May 2017: Pediatric Obesity: Consequences and Causes  
Icahn School of Medicine at Mount Sinai, Pediatric Grand Rounds, March 2017: Pediatric Obesity Consequences and Causes

Symposium, The Obesity Society Annual Scientific Meeting, November 2016: Strategies to Manage Weight in Patients with Monogenic Syndromes Associated with Obesity

Symposium, NIH Research Festival “From Insight to Therapy: Bench-to-Bedside Home Runs” September 2016: The Melanocortin 3 Receptor and Pediatric Obesity: From Bench to Bedside

Psychology Colloquium, Temple University: September 2016: Disinhibited Eating and Obesity in Children

Lecturer, NIH Academy: May 2016: Genetics of obesity in children

Symposium, The Endocrine Society: April 2016: Pubertal development in boys with obesity

Symposium, The Endocrine Society: April 2016: Obesity pharmacotherapy for children and adolescents: today and future directions

George Washington University Hospital Endocrine Grand Rounds, March 2016: Obesity epidemiology and etiology

Meet the Professor: The Obesity Society Annual Scientific Meeting, November 2015: Pediatric Obesity

Keynote Address, James H. Horner, MD, Distinguished Visiting Professorship, University of Tennessee Health Science Center September 2015: Treating the Child with Obesity – What we know (and what we don’t)

Plenary Lecture, XI Congresso Paulista de Endocrinologia e Metabologia, May 2015: The Leptin Signaling Cascade and the Genetics of Pediatric Obesity

NICHD Exchange, May 2015: Unique Challenges of Clinical Trials in Vulnerable Populations: Pediatric and Adolescent Obesity

American University Symposium on Childhood Obesity and Cognition, October 2014: The Growing Problem of Pediatric Obesity

NICHD Scientific Retreat, June 2014: The Melanocortin 3 Receptor and Pediatric Obesity

Friends of NICHD Coalition: May 2014: Pediatric Obesity Health Disparities

Howard University Department of Physiology, April 2014: The Leptin Signaling Cascade and Pediatric Obesity

NIH Course: Demystifying Medicine: January 2014: Obesity: Causes and Consequences

Maryland Medical Association, MedChi Annual Scientific Meeting, December 2013: Screening considerations for the overweight child

Pennington Scientific Symposium and Public Health Conference, October 2013: Pharmacological approaches to treat pediatric obesity

Bar-Or Award Lecture, The Obesity Society Pediatric Obesity Section, October 2013: Pediatric Obesity: A neuropsychophysioendogenetic perspective

Society for Women’s Health Research Conference, The State of Women’s Health Research, July 2013: Obesity in Children and Adolescents

Seminar, Johns Hopkins Global Center on Childhood Obesity, February 2013: The Leptin Signaling Cascade and Pediatric Obesity

Diabetes, Endocrinology, and Obesity Branch, NIDDK Retreat, February 2013: The Melanocortin 3 Receptor and Pediatric Obesity

Invited Speaker, 2<sup>nd</sup> International Conference on Hyperphagia, October 2012: Defining Hyperphagia

Lecturer, Obesity Society Course: Pediatric Obesity & Metabolic Syndrome: Prevention and Treatment, September 2012: Screening considerations for the overweight or obese child

Seminar, Columbia University Naomi Berrie Diabetes Center, May 2012: The Leptin Signaling Cascade, Brain-Derived Neurotrophic Factor, and Pediatric Obesity

NCI Cancer Prevention and Control Colloquia Series, February 2012: The Leptin Signaling Cascade and Pediatric Obesity

Plenary Lecture, International Society for Pediatric and Adolescent Diabetes, October 2011: Genetics of Pediatric Obesity

Keynote Lecture, Society for Study of Ingestive Behaviors, July 2011: The Leptin Signaling Cascade and Pediatric Obesity

Keynote Speaker, Trans-disciplinary Research on Energetics and Cancer (TREC) Retreat, May 2011: Genetics of Pediatric Obesity

University of Maryland Endocrine Grand Rounds, January 2011: Genes, Behavior, and Energy Intake

Grand Rounds at the NIH, January 2011: Pharmacotherapy for Pediatric Obesity

NIH Director's Seminar, December 2010: Leptin Signaling Pathway Genes and Pediatric Obesity

Pennington Biomedical Research Center, Invited Lecturer, October 2009: Pediatric Obesity Syndromes: Beyond Leptin and the Melanocortin 4 Receptor

University of Michigan Division of Metabolism, Endocrinology and Diabetes Grand rounds, February 2009: Genetics of Pediatric Obesity

Orlando Children's Hospital Distinguished Lecturer, January 2009: Pediatric Obesity: Consequences and Causes

Mount Sinai School of Medicine, Pediatric Diabetes: Ninth Annual Symposium, November 2008: Pharmacotherapy of Pediatric and Adolescent Obesity

CMES Ancillary Symposium Presentation, Endocrine Society, June 2008: Pediatric Obesity Syndromes: Beyond Leptin and the Melanocortin 4 Receptor

Children's National Medical Center Grand Rounds, May 2008: Medical and Surgical Treatment of Childhood Obesity

Children's Hospital of Philadelphia Nutrition Center Seminar, November 2007: Leptin Signaling Pathway Defects in Pediatric Obesity

NIDDK Division of Diabetes, Endocrinology, and Metabolic Diseases Seminar, November 2007: Brain-Derived Neurotrophic Factor in Human Energy Balance

Symposium, The Obesity Society, October 2007: Issues in Treating Pediatric Obesity with Medicine and Surgery

Symposium, The Obesity Society, October 2007: Binge Eating Behaviors in the Development of Pediatric Overweight

Office of Dietary Supplements Seminar Series, October 2007: SCOOP: A Randomized Clinical Trial of the Effects of Calcium Supplementation on Body Weight and Adiposity in Overweight and Obese Adults

Grand Rounds at the NIH, June 2007: Leptin Signaling Pathway Genes in Pediatric Overweight

Baylor-USDA Children's Nutrition Research Center, April 2007: UGO Research on the Pathophysiology of Pediatric Obesity

George Washington University Hospital Endocrine Grand Rounds, March 2007: Pharmacotherapy for Pediatric Obesity

Johns Hopkins Endocrine Grand Rounds, November 2006: Pathophysiology of Pediatric Obesity

Pittsburgh Children's Hospital Pediatric Endocrine Grand Rounds, September 2006: Pathophysiology of Pediatric Obesity

Symposium, The Endocrine Society: June 2006: Subcutaneous Adipose Tissue and the Metabolic Syndrome

John D. Crawford Visiting Speaker, Massachusetts General Hospital, May 2006: Pathophysiology of Pediatric Obesity

Congressional Briefing: May 2006: Treatment of Childhood Obesity: Promise and Uncertainty

NIH Course: Demystifying Medicine: April 2006: Obesity: Causes and Consequences

Symposium, Pediatric Academic Societies/LWPES, April 2006: Intensive and behavioral therapies for the overweight child

Pediatric Grand Rounds, Duke University School of Medicine, March 2006: Pharmacotherapy for Childhood Obesity

Symposium, NAASO, November 2004: Pharmacotherapy for Pediatric Obesity.



Symposium, The Endocrine Society: June 2004: Endocrine and metabolic effects of pediatric obesity  
Symposium, The Endocrine Society: June 2004: Pharmacotherapy for pediatric obesity.  
NIDDK Modifiable Environmental and Behavioral Determinants of Overweight among Children and Adolescents workshop, June 2004: Body composition and metabolic measures in children  
LJ Filer Symposium, American Heart Association, March 2004: Pharmacologic Treatment of Pediatric Obesity  
Grand Rounds at the NIH, February 2004: Pediatric Obesity  
Lecturer, NIH annual Endocrinology Board Review Course, 1993-2010: Obesity; Pathologically Delayed Puberty

*Selected Presentations at National/International Meetings (2004-present):*

Platform Presentation, Endocrine Society 2019: Effects of Colchicine on Insulin Resistance, Pancreatic Beta-Cell Function, and Aspects of the Metabolic Syndrome in Adults with Obesity, MetS, and Inflammation: A Pilot Randomized Controlled Trial  
Platform Presentation, ESPE 2018: Effect of the Melanocortin-4 Receptor Agonist, Setmelanotide, on Obesity and Hyperphagia in Individuals Affected by Bardet-Biedl Syndrome  
Platform Presentation, The Obesity Society Annual Scientific Meeting, October 2017: Melanocortin 3 Receptor (MC3R): A Novel Regulator of Hepatic Autophagy in Obesity  
Platform Presentation, The Obesity Society Annual Scientific Meeting, October 2017: Interrupting Sedentary Behavior in Overweight Children: A Randomized, Crossover Trial  
Platform Presentation, The Endocrine Society Annual Scientific Meeting, April 2017: Puberty and Insulin Resistance: A Longitudinal Examination of Hyperglycemic Clamp-Derived Insulin Sensitivity and Insulin Secretion Among Non-Hispanic Black and Non-Hispanic White Children  
Platform Presentation, Eating Disorder Research Society Annual Scientific Meeting, 2016: A randomized, controlled pilot trial of family-based interpersonal psychotherapy for reducing excess weight gain in pre-adolescents with loss of control eating  
Platform Presentation, The Endocrine Society Annual Scientific Meeting, April 2016: Effects of Niacin Administration on Free Fatty Acid and Growth Hormone in Obese Children.  
Platform Presentation, The Obesity Society Annual Scientific Meeting, November 2015: Effects of interrupting sedentary behavior with short bouts of moderate physical activity on glucose tolerance in healthy children: A randomized, crossover trial  
Platform Presentation, The Obesity Society Annual Scientific Meeting, November 2015: Inflammation and Components of the Metabolic Syndrome in the Insulin Resistance of African American Adults  
Platform Presentation, SSIB, 2015: Pressure to be Thin Predicts Body Weight and Fat Gain in Adolescence.  
Platform Presentation, The Endocrine Society, 2015: Obesity and Predicted Height in Children: A Longitudinal analysis  
Platform Presentation, American Psychosomatic Society, 2015: Pressure to be Thin is Associated with Fasting Glucose and Insulin among Lean and Overweight Adolescents  
Nanosymposium Presentation, Society for Neuroscience, November 2014: Differences in inhibitory control in adolescents with and without loss of control (LOC) eating: a potential role of the dorsolateral prefrontal cortex (dlPFC) in motor inhibition and peer interaction  
Platform Presentation, The Endocrine Society, June 2014: Examining Mechanisms for Pediatric Obesity due to Melanocortin 3 Receptor (MC3R) Insufficiency Using Knock-in Mice Expressing Human Wild Type MC3R or Thr6Lys+Val81Ile Human Variant MC3R  
Platform Presentation, Academy for Eating Disorders 2014: Laboratory Eating Behavior of Adolescents with Binge Eating At Risk for Type 2 Diabetes

- Platform Presentation, Obesity Society, October 2013: Validation of the Thr6Lys+Val81Ile human melanocortin 3 receptor (*MC3R*) variant as a cause of obesity using knock-in mice
- Platform Presentation, Obesity Society, October 2013: Brain activation in stress-responsive regions is associated with actual food intake in the laboratory in overweight girls
- Platform Presentation, Obesity Society, October 2013: Targeted prevention of excess weight gain and eating disorders in high-risk adolescent girls with Loss of Control (LOC) eating: A randomized, controlled trial
- Platform Presentation, Eating Disorders Research Society, September 2013: Metabolic Characteristics of Adolescent Girls with Loss of Control Eating
- Symposium Presentation, The Obesity Society Annual Meeting, September, 2012: Pharmacotherapy to Treat Pediatric Obesity and Reduce Diabetes Risk
- Platform Presentation, The Obesity Society Annual Meeting, September 2012: Association between *FTO* rs9939609 genotype and response to orlistat in obese African American and Caucasian adolescents
- Platform Presentation, Pediatric Academic Societies' Annual Meeting, May 2012: A randomized, controlled trial of a low glycemic load versus a low fat dietary intervention among obese Hispanic American children and adolescents
- Platform Presentation, Obesity Society, October 2011: A longitudinal study of depressive symptoms and progression of insulin resistance in youth at risk for adult obesity
- Platform Presentation, Obesity Society, October 2010: Associations of Single Nucleotide Polymorphisms in Brain-Derived Neurotrophic Factor with BDNF Expression in Human Ventromedial Hypothalamus
- Platform Presentation, Eating Disorders Research Society, October 2010: A Prospective Study of Pediatric Loss of Control Eating and Psychological Outcomes
- Platform Presentation, Obesity Society, October 2009: Association between Variants in the *FTO* Gene and Loss of Control over Eating
- Platform Presentation, Eating Disorders Research Society, September 2009: Binge Eating in Children: Long-term Physiological Outcomes
- Platform Presentation, Obesity Society, October 2008: A Randomized, Placebo-Controlled Trial of the Effects of Orlistat on Body Weight and Body Composition in Adolescents with Obesity-Related Comorbid Conditions
- Platform Presentation, Endocrine Society, June 2008: A randomized, placebo-controlled trial of the effects of metformin on body weight and body composition in children with insulin resistance
- Plenary Session Presentation, Obesity Society, October 2007: Energy Intake of Children with C17A + G241A Homozygous Missense Mutations of the Melanocortin-3-Receptor
- Platform Presentation, Obesity Society, October 2007: Brain-Derived Neurotrophic Factor (BDNF) in Human Energy Balance: WAGR Syndrome as a Model of BDNF Haploinsufficiency
- Platform Presentation, Endocrine Society, June 2007: Development of abnormalities of glucose metabolism in normal-weight and overweight youth
- Platform presentation, Pediatric Academic Societies/LWPES, May 2007: Association of BDNF haploinsufficiency with overweight in children with WAGR syndrome
- Platform presentation, NAASO, October 2006: Supplemental Calcium in Overweight Out-Patients (SCOOP): A Randomized, Controlled Trial of the Effects of Calcium Supplementation on Body Weight and Body Composition
- Platform presentation, NAASO, October 2006: A longitudinal study of serum leptin as a predictor of weight and body fat gain in children at high risk for adult obesity
- Platform presentation, Pediatric Academic Societies/LWPES, April, 2006: Association of insulin resistance and hyperinsulinemia with energy intake in overweight children

- Platform presentation, NAASO, October 2005: Effects of pediatric overweight on food intake during laboratory meal studies
- Platform presentation, ADA, June 2005: Contribution of Psychological Risk Factors to Glucose Metabolism in Children
- Platform Presentation, Endocrine Society, June 2005: Thr6Lys and Val81Ile Missense Mutations of the Melanocortin-3-Receptor Gene are Associated with Increased Fat Mass and Reduced Body Lean Mass, but do not affect Resting Energy Expenditure in Children
- Platform Presentation Pediatric Academic Societies' Annual Meeting, May 2004: Co-occurrence of two partially inactivating polymorphisms of the melanocortin 3 receptor (MC3R) is associated with pediatric-onset obesity

*Grant review panels*

- Chair, Clinical Center, NIH Bench to Bedside Scientific Proposal Review Committee, 2017-2019
- Member, Foundation for Prader-Willi Research Scientific Review Panel 2016
- Member, NIDDK Special Emphasis Study Section "Psychological and Behavioral Mechanisms in Bariatric Surgery, 2015, 2016
- Reviewer, Pediatric Endocrine Society Early Career Research Grant Program, 2014
- Reviewer, Obesity Society Early Career Research Grants: 2009 - 2012
- NIH Study Section: Nutrition and Obesity Research Centers: 2010
- NSCF Study Section, NIH, Standing Member: 2008-2010; Ad hoc, 2007
- Member, Clinical Center, NIH Bench to Bedside Scientific Proposal Review Committee: 2010-2016
- Reviewer, Challenge Grants, NIH: 2009
- Reviewer, Ireland Health Research Board Grant Program: 2009
- Reviewer, Israel Science Foundation Individual Grant Program: 2008
- Scientific Advisory Committee, Boston Obesity Nutrition Research Center: 2007-2009
- American Diabetes Association Research Grant Review Committee: 2005-2008
- Reviewer, Pilot & Feasibility Program, Columbia University Diabetes & Endocrinology Research Center: 2006-2007
- Ad hoc reviewer, NIDDK Special Emphasis Study Sections: 2001, 2003, 2004, 2005

*Committees, working groups*

- Member, Endocrinologic and Metabolic Drugs Advisory Committee, Food and Drug Administration, 2019-2023.
- Dissertation Committee Member for Meghan Byrne, USUHS: "Neural Underpinnings of Anxiety in Relation to Eating Behaviors in Adolescence" 2019-Date
- Dissertation Committee Member for Lisa Shank, USUHS: "The Inflammatory Response to Stress and Loss of Control Eating in Youth" 2014-2019.
- Dissertation Committee Member for Rachel Miller-Radin, USUHS: "Physiological Reactivity and Leptin in Youth with and without Loss of Control Eating." 2012-2017.
- Dissertation Supervisor, Dezmond Taylor-Douglas, Howard University. 2012-2016.
- Dissertation Committee Member for Camille Sample, American University: "Western Diet Impairs the Ability to Use Energy State Cues in Appetitive Control." 2012-2016.
- Dissertation External Examiner, Ashleigh Bouchelion, Howard University: "c.451 C>T nonsense mutation in mouse CLN1 Gene recapitulates the INCL phenotype and responds to treatment" 2015.
- External Advisory Committee, Pennington Biomedical Research Center, 2012-2014
- Member, Obesity Drugs Outcome Measures Dialogue Group, George Washington University School of Public Health and Health Services, 2012

Ad hoc member, FDA Endocrinologic and Metabolic Drugs Advisory Committee, 2012  
Executive Steering Committee, Harvard Training Program in Nutrition and Metabolism 2011-2013  
Consultant, FDA, Center for Devices and Radiological Health, Medical Devices Advisory  
Committee: 2010-2011  
FDA Pediatric Advisory Committee consultant, obesity: July 2004, Nov, 2005; Dec, 2006  
Medical Accession Review Committee, USPHS: 2005  
Consultant, FDA Endocrinologic and Metabolic Drugs Advisory Committee Meeting to Revise  
Guidance on Weight-loss Medications: 2004

*Service to Societies*

Member, Nominations Committee, The Obesity Society, 2019-2020  
Abstract Reviewer Endocrine Society Annual Scientific Meeting 2010-Date  
Abstract Reviewer PAS / SPR Annual Scientific Meeting 2012-Date  
Abstract Reviewer Obesity Society Annual Scientific Meeting 2006-Date  
Obesity Expert Panel, The Endocrine Society, 2014-2017  
Member, Awards Committee, The Obesity Society, 2014-2016  
Councilor, Pediatric Obesity Section, The Obesity Society, 2014-2016  
ICE/ENDO Presidential Poster Competition Judge, The Endocrine Society: 2014, 2015, 2016  
Member, Education Committee, The Obesity Society: 2011-2014  
Member, Advisory Panel on Ethics and Conflict of Interest, The Endocrine Society: 2010-2013  
Chair, School Health Council, Montgomery County, MD 2010-Date  
Endocrine Society annual meeting abstract reviewer 2010-Date  
Chair (2009) and Co-Chair (2008), Obesity Society Annual Scientific Meeting  
PAS/SPR annual meeting abstract reviewer 2009-Date  
Scientific (Grant) Review Committee, The Obesity Society: 2009-2012  
Item Writer, Obesity Medicine Physician Certification Exam, The Obesity Society: 2009-2010  
Councilor, The Obesity Society Pediatric Obesity Section: 2007-2009  
Member, Education Committee, NAASO: 2006-2008  
Lawson Wilson Pediatric Endocrine Society Obesity Task Force: 2004 - 2006  
Member, Budget and Finance Committee: ASCN: 2004-2005  
Member, Finance Committee, NAASO: 2003-2005  
Chair, Education Committee, NAASO: 2001-2003  
NAASO/Obesity Society Scientific Meeting abstract reviewer 2000-Date  
Councilor, NAASO: 2000-2003  
APS-SPR Young Investigator's Award Selection Committee: 2002-2006

*Service to NIH*

Member NICHD Tenure & Promotions Committee, Ad Hoc 2016-2017; Full 2018-Date  
Member, Clinical Trials Working Group, NICHD, 2017  
Lecturer, NICHD, NIH Principles of Pediatric Clinical Pharmacology Course, 2016-Date  
NIH Bench-to-Bedside Award Review panel: Member 2011 - Date; Chair 2017-Date  
NIH Medical Research Scholars Program Executive Advisory Committee 2012-Date  
NICHD Pediatric and Adult Endocrinology Fellowship mentor 1998-date  
Member, Search Committee, NICHD IRB Chair, 2016-2017  
Lecturer, Amgen Scholars, 2016, 2017  
Head, Pediatric Endocrinology, Metabolism, and Genetics Affinity Group, 2015-Date  
Member, Intramural NICHD Recruitment and Diversity Committee, 2015-2018  
NCI DCEG, Metabolic Epidemiology Branch Chief Search Committee, 2015  
Member, Mission Statement and Metrics Committees, NICHD DIR, 2014-15

Member, USPHS Office of Commissioned Corps Operations Promotion Board, 2013  
Mentoring Committee for Tenure Track Candidates Fasil Tekola-Ayele, PhD (NICHD, 2017-Date), Yaron Rotman, PhD (NIDDK, 2015-Date), Aaron Cypess, MD, PhD (NIDDK, 2015-Date), Edwina Yeung, PhD (NICHD; 2011-2018), Sushil Rane, PhD (NIDDK, 2011-2014), and for Assistant Clinical Investigators Joan Han, MD (NICHD, 2009-2014) and Stephanie Chung, MD (NIDDK, 2014-2018)  
Lecturer, 2<sup>nd</sup> NIMHD Translational Health Disparities Course: Integrating Principles of Science, Practice, and Policy in Health Disparities Research, 2011  
Alternate Board Member, Office of Commissioned Corps Operations Promotion Board, 2011  
NICHD Tenure Committee: 2010-2012  
Operational Review Committee, NIH Clinical Center Nutrition Department: 2010  
NIDDK Diabetes, Obesity, and Metabolism Branch Chief Search Committee: 2010  
Board of Tutors, NIH Clinical Research Training Program: 2005 - 2012  
Reviewer, NIH Fellow's Award for Research Excellence: 2002-2009, 2011-Date  
NIH Clinical Research Volunteer Program Committee: 1994-2006  
NICHD promotion committee: 2003-2006  
NIH Clinical Center Pediatric Care Committee: 1994-2003  
Member, NICHD Institutional Review Board: 1993-2002  
Board Member, Friends of the NIH Clinical Center: 1998-2000  
NIH Clinical Center Pharmacy and Therapeutics Committee: 1993-1999  
NIH Clinical Center Medical Executive Committee: 1998-1999  
NIH Clinical Center Standardization Committee: 1997-1998  
NIH Clinical Center Credentials Committee: 1995-1998  
NIH Clinical Center Ethics Committee: 1995-1997

## **Publications:**

### Original Research Publications in Peer-reviewed Journals

1. Yanovski JA, Adler NT, Gallistel CR. Does the perception of reward magnitude of self-administered electrical brain stimulation have a circadian rhythm? *Behav. Neurosci*, 100:888-93, 1986.
2. Levine JD, Rosenwasser AM, Yanovski JA, Adler NT. Circadian activity rhythms of rats with midbrain raphe lesions. *Brain Research*, 384:240-249, 1986.
3. Yanovski JA, Witcher J, Markey S, Klein DC, Adler NT. Stimulation of the paraventricular nucleus area of the hypothalamus elevates urinary 6-hydroxymelatonin during daytime. *Brain Research Bull.*, 19:129-33, 1987.
4. Yanovski JA, Packer RJ, Levine JD, Davidson TL, Miccalizzi M, and D'Angio G. Neonatal administration of methotrexate and the acquisition of classical conditioning in the rat. *J. Med. & Ped. Oncol.* 17:216-21, 1989.
5. Yanovski JA, Rosenwasser AM, Levine JD, Adler NT. The circadian activity rhythms of rats with mid- and parasagittal 'split-SCN' knife cuts and pinealectomy. *Brain Research*, 537:216-26, 1990.
6. Yanovski SZ, Yanovski JA, Brown R, Balaban D. Telephone triage by primary care physicians. *Pediatrics*, 89:701-6, 1992.
7. Yanovski JA, Nelson LM, Willis ED, Cutler GB, Jr. Repeated, childhood vaginal bleeding is not always precocious puberty. *Pediatrics*, 89:149-51, 1992.

8. Yanovski SZ, Leet M, Yanovski JA, Flood M, Gold PW, Kissileff HR, Walsh BT. Food selection and intake of obese women with binge eating disorder. *Am J Clin Nutr*, 56:975-80, 1992.
9. Yanovski JA, Cutler GB, Jr., Chrousos GP, Nieman LK. Corticotropin releasing hormone stimulation test following low-dose dexamethasone administration: A new test to distinguish Cushing syndrome from pseudo-Cushing states. *JAMA* 269:2232-2238, 1993.
10. Yanovski JA, Yanovski SZ, Gold PW, Chrousos GP. Differences in the hypothalamic-pituitary-adrenal axis of black and white women. *J Clin Endocrinol Metab* 77:536-41, 1993.
11. Yanovski SZ, Yanovski JA, Gwirtsman HE, Bernat A, Gold PW, Chrousos GP. Normal dexamethasone suppression in obese binge and nonbinge eaters with rapid weight loss. *J Clin Endocrinol Metab* 76:675-679, 1993.
12. Yanovski JA, Cutler GB, Jr, Doppman JL, Miller DL, Chrousos GP, Oldfield EH, Nieman LK. The limited ability of inferior petrosal sinus sampling with corticotropin-releasing hormone to distinguish Cushing disease from pseudo-Cushing states or normal physiology. *J Clin Endocrinol Metab* 77:503-09, 1993.
13. Yanovski SZ, Gormally JF, Leser MS, Gwirtsman HE, Yanovski JA. Binge eating disorder affects outcome of comprehensive very low calorie diet treatment. *Obesity Research* 2:205-212, 1994.
14. Avgerinos PC, Yanovski JA, Oldfield EH, Nieman LK, Cutler GB, Jr. The metyrapone and dexamethasone suppression tests for the differential diagnosis of the adrenocorticotropin-dependent Cushing syndrome: A Comparison. *Ann Int Med*, 121:318-327, 1994.
15. Yanovski JA, Sobel DO, Abbassi V. The differing presentation of insulin-dependent diabetes mellitus in infants and children. *Clin Pediatr (Phila)* 33:556-60, 1994.
16. Baron J, Oerter KE, Yanovski JA, Novosad J, Bacher JD, Bolander M, Cutler GB, Jr. Induction of growth plate cartilage ossification by basic fibroblast growth factor. *Endocrinology* 135:2790-3, 1994.
17. Baron J, Oerter KE, Colli MJ, Yanovski JA, Novosad JA, Bacher JD, Cutler GB, Jr. Catch-up Growth: A mechanism intrinsic to the growth plate. *Endocrinology*, 135:1367-71, 1994.
18. Heinrichs C, Yanovski JA, Roth AH, Yu YM, Domene HM, Yano K, Cutler GB, Jr, Baron J. Dexamethasone increases growth hormone receptor messenger ribonucleic acid levels in liver and growth plate. *Endocrinology* 135:1113-1118, 1994.
19. Friedman TC, Garcia-Borreguero D, Hardwick D, Akuete CN, Doppman JL, Dorn LD, Barker CN, Yanovski JA, Chrousos GP. Decreased delta sleep and plasma delta sleep-inducing peptide in patients with Cushing syndrome. *Neuroendocrinology* 60:626-34, 1994.
20. Yanovski JA, Cutler GB, Jr. Pitfalls in the Use of Inferior Petrosal Sinus Sampling for the Differential Diagnosis of Cushing Syndrome. *The Endocrinologist*, 4:245-251, 1994.
21. Yanovski JA, Cutler GB, Jr. Glucocorticoid action and the clinical features of Cushing's Syndrome. *Endocrinol Metab Clin North Am* 23:487-509, 1994.
22. Yanovski JA. The Dexamethasone-suppressed CRH test in the differential diagnosis of Cushing disease and pseudo-Cushing states. *The Endocrinologist* 5:169-175, 1995.
23. Hoffman WH, Pluta RM, Fisher AQ, Wagner MB, Yanovski JA. Transcranial Doppler ultrasound assessment of intracranial hemodynamics in children with diabetic ketoacidosis. *J Clin Ultrasound*, 1995; 23:517-523.
24. Friedman TC, Yanovski JA. Morning plasma free cortisol: Inability to distinguish patients with mild Cushing syndrome from patients with pseudo-Cushing states. *J Endocrinol Invest* 18:696-701, 1995.
25. Doppman JL, Nieman LK, Chang R, Yanovski JA, Cutler GB, Jr, Chrousos GP, Oldfield EH. Selective venous sampling from the cavernous sinuses is not a more reliable technique

- than sampling from the inferior petrosal sinuses in Cushing syndrome. *J Clin Endocrinol Metab.* 80:2485-2489, 1995.
26. Friedman TC, Yanovski JA, Jayasvasti V, Yanovski SZ, Koenig RJ, Wilk S. Pyroglutamyl peptidase II (“Thyroliberinase”) activity in human serum: influence of weight and thyroid status. *J Clin Endocrinol Metab.* 80:1086-1089, 1995.
  27. Rose SR, Leong GM, Yanovski JA, Blum D, Heavner G, Barnes KM, Chipman JJ, Dichek HL, Jacobsen J, Oerter Klein KE, Cutler GB Jr. Thyroid function in non-growth hormone-deficient short children during a placebo-controlled double blind trial of recombinant growth hormone therapy. *J Clin Endocrinol Metab* 80:320-324, 1995.
  28. Yanovski JA, Yanovski SZ, Harrington L, Gold PW, Chrousos GP. Differences in the Hypothalamic-Pituitary-Adrenal Axis of African American and Caucasian Men. *Horm. Res.* 44:208-212, 1995.
  29. Polymeropoulos MH, Torres R, Yanovski JA, Chandrasekharappa S, Ledbetter DH. The human corticotropin-releasing factor receptor gene maps to chromosome 17q12-q23.1. *Genomics* 28:123-124, 1995.
  30. Baron J, Winer KK, Yanovski JA, Cunningham AW, Laue L, Zimmerman D, Cutler GB, Jr. Gain-of-function mutations of the Ca<sup>2+</sup>-sensing receptor gene cause autosomal dominant and sporadic hypoparathyroidism. *Hum Mol Genet*; 5:601-606, 1996.
  31. LeRoith D, Yanovski JA, Purdue K, LeRoith T, Kaldjein E, Jaffe E, Adler W, Clark R. The effects of growth hormone and insulin-like growth factor-1 on the immune system of aged female monkeys. *Endocrinology* 137:1071-79, 1996.
  32. Yanovski JA, Yanovski SZ, Cutler GB, Jr, Chrousos GP, Filmer K. Differences in the hypothalamic-pituitary-adrenal axis of African American and Caucasian girls. *J Pediatr*, 129:130-136, 1996.
  33. Kalogeras KT, Nieman LN, Friedman TC, Doppman JL, Cutler GB Jr, Chrousos GP, Wilder RL, Gold PW, Yanovski JA. Inferior petrosal sinus sampling in normal human subjects reveals a unilateral corticotropin-releasing hormone-induced arginine vasopressin release associated with ipsilateral adrenocorticotropin secretion. *J Clin Invest* 97:2045-50, 1996. PMID: 507278
  34. Friedman TC, Yanovski JA, Nieman LK, Doppman JL, Cutler GB, Jr, Oldfield EH, Gold PW, Chrousos GP, Kalogeras KT. Inferior petrosal sinus arginine vasopressin concentrations in normal volunteers and patients with Cushing disease. *J Clin Endocrinol Metab* 81:3068-72, 1996.
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  36. Yanovski JA, Yanovski SZ, Filmer K, Hubbard VS, Avila N, Lewis B, Reynolds J, Flood M. Differences in Body Composition of Black and White prepubertal girls. *Am J Clin Nutr* 64:833-39, 1996.
  37. Winer KK, Yanovski JA, Cutler GB, Jr. Synthetic Human Parathyroid Hormone 1-34 vs. Calcitriol and Calcium in the Treatment of Hypoparathyroidism: Results of a Short-term Randomized Crossover Trial. *JAMA* 276:631-4, 1996.
  38. Mercado-Asis LB, Yanovski JA, Tracer HL, Chik CL, Cutler GB, Jr. Acute Effects of bromocriptine, cyproheptadine, and valproic acid on plasma adrenocorticotropin secretion in Nelson’s syndrome. *J Clin Endocrinol Metab* 82:514-517, 1997.
  39. Schiffman R, Tedeschi G, Kinkel RP, Trapp BD, Frank JA, Kaneski CR, Brady RO, Barton NW, Nelson L, Yanovski JA. Leukodystrophy in patients with ovarian dysgenesis. *Ann. Neurol.* 41:654-661, 1997.

40. Yanovski JA, Yanovski SZ, Gold PG, Chrousos GP. Differences in corticotropin-releasing hormone-stimulated ACTH and cortisol before and after weight loss. *J Clin Endocrinol Metab*, 82:1874-8, 1997.
41. Yanovski SZ, Reynolds JC, Boyle AJ, Yanovski JA. Resting metabolic rate in African American and Caucasian girls. *Obesity Research* 5:321-325, 1997.
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47. Yanovski JA, Nieman LK, Doppman JL, Chrousos GP, Wilder RL, Gold PW, Kalogeras KT. Plasma levels of corticotropin-releasing hormone in the inferior petrosal sinuses of healthy volunteers, patients with Cushing's syndrome, and patients with pseudo-Cushing states. *J Clin Endocrinol Metab*;83(5):1485-8, 1998.
48. Kimmel PL, Phillips TM, Simmens SJ, Peterson RA, Weihs KL, Alleyne S, Cruz I, Yanovski JA, Veis JH. Immunologic function and survival in hemodialysis patients. *Kidney International*, 54:236-244, 1998. PMID: 6146918
49. Winer KK, Yanovski JA, Sarani B, Cutler GB, Jr. A randomized, crossover trial of once-daily versus twice-daily parathyroid hormone 1-34 in the treatment of hypoparathyroidism. *J Clin Endocrinol Metab* 83; 3480-3486, 1998.
50. Carrozza V, Csako G, Yanovski JA, Skarulis MC, Nieman LK, Pucino F. Levothyroxine replacement therapy in central hypothyroidism: A practice report. *Pharmacotherapy* 19:349-355, 1999.
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52. Yanovski JA, Yanovski SZ. Recent advances in basic obesity research. *JAMA*. 282:1504-7, 1999.
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54. Rose SR, Baron J, Bernstein D, Yanovski JA, Troendle JF, Chipman J, Cutler GB Jr. Suppression and recovery of GH secretion after GH injection in non-GH-deficient short children. *J Ped Endocrinol Metab* 13:281-8, 2000
55. Heck AM, Yanovski JA, Calis KA. Orlistat: A New Lipase Inhibitor for the Management of Obesity. *Pharmacotherapy* 20:270-9, 2000. PMID: 6145169
56. Hatano H, Miller KD, Yoder CP, Yanovski JA, Sebring NG, Jones EC, Davey RT. Metabolic and Anthropometric Consequences of Interruption of Highly Active Antiretroviral Therapy (HAART). *AIDS* 14:1-8, 2000.



57. Kimmel PL, Peterson RA, Weihs KL, Shidler N, Simmens SJ, Alleyne S, Cruz I, Yanovski JA, Veis JH, Phillips TM. Dyadic Relationship conflict, gender and mortality in urban hemodialysis patients. *J Am Soc Nephrol.* 11:1518-25, 2000.
58. Son NH, Murray S, Yanovski JA, Hodes R, Weng NP. Lineage-specific telomere shortening and unaltered capacity for telomerase expression in human T and B lymphocytes with age. *J Immunol.* 65:1191-6, 2000.
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90. Field AE, Laird N, Steinberg E, Fallon E, Semega-Janneh M, Yanovski JA. Which metric of relative weight best captures body fatness in children? *Obes Res*.11:1345-52, 2003.
91. Gelernter-Yaniv L, Feng NP, Sebring NG, Hochberg Z, Yanovski JA. Associations between a polymorphism in the 11 beta hydroxysteroid dehydrogenase type I gene and body composition. *Int J Obes* 27:983-986, 2003.
92. Weise M, Mehlinger SL, Drinkard B, Rawson E, Charmandari E, Hiroi M, Eisenhofer G, Yanovski JA, Chrousos GP, Merke DP. Patients with classic congenital adrenal hyperplasia

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**Principal / Accountable Investigator for NIH clinical research protocols:**

- 90-CH-0194: Inferior petrosal sinus sampling for the determination of adrenocorticotrophic hormone (ACTH) concentrations in normal volunteers and in patients with disorders of the hypothalamic-pituitary-adrenal axis
- 94-CH-0103: Evaluation of the energy expenditure and body composition of Black, White, and Asian children
- 96-CH-0101: Population differences in the insulin sensitivity, resting energy expenditure, and body composition of overweight children and children of overweight parents
- 98-CH-0151: Seasonal variation in vital signs
- 98-CH-0111: Safety and efficacy of orlistat (Xenical™) in African American and Caucasian children and adolescents with obesity-related comorbid conditions
- 00-CH-0134: Effects of metformin on energy intake, energy expenditure, and body weight in overweight children with insulin resistance.
- 02-CH-0100: The SCOOP Study: Supplemental calcium in overweight out-patients
- 03-CH-0101: The WRAP Study: Weight and its relationship to adolescent perceptions of their providers.
- 04-CH-0050: Eating behavior in children
- 06-CH-0038: Body heat content and dissipation in obese and normal weight adults
- 06-CH-0039: Pilot program for the targeted prevention of adolescent weight gain
- 06-CH-0141: Non-exercise activity thermogenesis (NEAT) in children
- 07-CH-0126: Pilot study of the metabolic effects of betahistine hydrochloride in overweight women
- 08-CH-0085 Eating behavior in adolescents
- 08-CH-0139 Preventing excessive weight gain in adolescent girls at high-risk for adult obesity
- 08-CH-0213 WAGR syndrome and other 11p contiguous gene deletions: clinical characterization and correlation with genotype
- 11-CH-0004 Free fatty acids, body weight, and growth hormone secretion in children
- 11-CH-0239 Mood and Insulin Resistance in Adolescents At-Risk for Diabetes
- 12-CH-0051 Brain-Derived Neurotrophic Factor in Obesity and Neurocognitive Function
- 13-CH-0097 Fat Metabolism and Function-Altering Polymorphisms in MC3R
- 13-CH-0169 Effects of Interrupting Sedentary Behavior on Metabolic and Cognitive Outcomes in Children
- 14-CH-0119 Pilot Study of the Effects of Colchicine in Non-Diabetic Adults with Metabolic Syndrome
- 15-CH-0014 Randomized, Double-Blind, Placebo Controlled, Phase 3 Trial of ZGN-440 (Subcutaneous Beloranib in Suspension, Zafgen, Inc.) in Obese Subjects with Prader-Willi Syndrome to Evaluate Total Body Weight, Food-related Behavior, and Safety Over 6 Months
- 15-CH-0096 Children's Growth and Behavior Study
- 17-CH-0014 Pilot Study of Mobile Attention Training in Overweight Female Adolescents
- 17-CH-0078 Setmelanotide (RM-493; Rhythm Pharmaceuticals, Inc.) Phase 2 Open-Label Treatment Trials in Patients with Rare Genetic Disorders of Obesity
- 17-CH-0130 Break It Up: A study evaluating breaking up daily sedentary behavior in youth
- 19-CH-0026 Randomized, Double-Blind, Placebo-Controlled Study Plus Open Label Extension of Diazoxide Choline Controlled-Release Tablet (DCCR, Soleno Therapeutics, Inc.) in Patients with Prader-Willi Syndrome

**Principal Investigator for NIH animal study protocols:**

- ASP 08.021: Effects of a human melanocortin 3 receptor variant on energy balance in mice
- ASP 17.053: Roles of the melanocortin 3 receptor for energy balance of mice
- ASP 18-052: Ameliorating obesity-linked adipose inflammation in mice