

Curriculum Vitae

Date: February 27, 2023

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

Date and Place of Birth: October 26, 1960, Philadelphia, PA

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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:

2019-Date Associate Scientific Director for Translational Medicine, DIR, NICHD, NIH

2010-Date Chief, Section on Growth and Obesity, DIR, 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

1989-2019 United States Public Health Service, Permanent Rank: Captain.
Call to active duty 10-2-89. Mandatory retirement date after 30y of service: 10/31/2019

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 1989-2021
Phi Beta Kappa 1980-Date

Awards and Honors

- 2021 NICHD Group Merit Award - Strategies to Enrich Inclusion and Achieve Equity (STRIVE) Initiative Committee
- 2020 Outstanding Service Medal, United States Public Health Service for “An extraordinary research career resulting in multiple discoveries that have transformed our understanding of obesity”
- 2020 NICHD Group Merit Award – DIR Group of Scientific Advisors (In recognition of their guidance, management, and oversight of lab staffing during the maintenance phase and return to the labs)
- 2020 Most Cited Paper Award, Journal of Pediatric Psychology: “Pediatric Loss-of-Control Eating and Anxiety in Relation to Components of Metabolic Syndrome”
- 2020 NICHD Special Act Group Award (for outstanding leadership by the Associate Scientific Directors during the coronavirus pandemic)
- 2019 Thomas A. Wadden Award for Distinguished Mentorship, The Obesity Society
- 2019 NICHD Special Act Award (for service as Head of the Pediatric Endocrinology, Metabolism, and Obesity Affinity Group)
- 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: **Z1AHD00641-26:** 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
- 2022-2023 **NICHD Office of Education Fellows Recruitment Incentive Award.** Funds post-doctoral fellowship for Diana Elizondo, PhD
- 2022-2023 **NICHD Early Career Investigator Award** to Dr. Tusharkumar Patel. Development of therapeutics for lipid toxicity and inflammation of obesity. Role: Mentor
- 2022-2023 **NICHD Early Career Investigator Award** to Dr. Diana Elizondo. Utilization of novel biomaterial for in vivo study of adipocyte subpopulations' metabolic profiles. Role: Mentor
- 2021-2023 **NIH Bench to Bedside Award:** Liraglutide in Adolescents with Obesity After Sleeve Gastrectomy. Role: PI

- 2021-2022 **NICHD Young Investigator Award** to Dr. Anna Zenno. Liraglutide in Adolescents with Obesity After Sleeve Gastrectomy. Project supporting Endocrinology fellow Anna Zenno. Role: Mentor
- 2020-2022 **NIH Bench to Bedside Award:** Colchicine for Treatment of Metabolic Syndrome. 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-Date **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
- 2017-2023 **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 **NIH Bench to Bedside Award:** Melanocortin agonist to bypass leptin resistance of Bardet-Biedl syndrome. Role: PI
- 2016-2018 **NIH 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 **NIH 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 **NIH 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 **NIH 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 **NIH 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 **NIH 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 **NIH 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 ≥ 25 kg/m². Role: PI
- 2002-2004 **NIH 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, Pediatric Obesity, 2012-Date
Editorial Board, International Journal of Obesity, 2012-Date
Associate Editor, European Journal of Clinical Investigation: 2009-2020
Associate Editor, Obesity, 2015-2020
Editorial Board, Journal of Clinical Endocrinology and Metabolism: 2009-2020
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, Ann Intern Med, 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)

Symposium Chair, The Obesity Society Annual Scientific Meeting, 2020: Genetics of Obesity
Symposium Chair, The Obesity Society Annual Scientific Meeting, 2019: Links Between Genetic Disorders and Obesity
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, The Obesity Society Annual Scientific Meeting, 2015: Targeting Sedentary Behaviors to Improve Cardiometabolic Health in Children
Symposium Organizer/Chair, The 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, The Obesity Society Annual Scientific Meeting 2013: What Outcomes Matter: Prevention and Treatment of Pediatric Obesity to Reduce Diabetes Risk

Organizing Committee, 2nd International Conference on Hyperphagia, October 2012
Symposium Chair, The 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, The 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)

Berkowitz Lecture, Psychiatry Grand Rounds, University of Pennsylvania Perelman School of Medicine, January 2023: Pharmacogenomic and Phenotype-guided Pharmacotherapy for Child-Adolescent Obesity
Joy Goodwin Distinguished Lectureship. Auburn University College of Veterinary Medicine, August 2022: Genetics of Obesity
Johns Hopkins Endocrine Grand Rounds, February 2022: Pharmacogenomic and Phenotype guided Pharmacotherapy for Child/Adolescent Obesity
Symposium, The Obesity Society Annual Scientific Meeting, November 2021: Pharmacogenomic and Phenotype guided Pharmacotherapy for Child/Adolescent Obesity
Phi Zeta Research Day Keynote Speaker, Auburn University College of Veterinary Medicine, November 2021: Studies of the Obesity Associated with Melanocortin 3 Receptor Insufficiency
Endocrinology Grand Rounds, University of Massachusetts Medical Center, January 2021: Genetics of Obesity
Nutrition Obesity Research Center Seminar Series, University of Alabama-at Birmingham, October 2020: The Melanocortin 3 Receptor and Pediatric Obesity
Pediatric Grand Rounds, Sinai Hospital of Baltimore, September 2020: Pediatric Obesity: Causes and Consequences
Endocrine Grand Rounds, Washington Hospital Center, May 2020: Obesity etiology/epidemiology
ORDR/NCATS Bench to Bedside symposium, May 2020: Using a melanocortin agonist to bypass the leptin resistance of Bardet-Biedl Syndrome
Bioenergetics Symposium, Center for Translational Science, Children's National Medical Center, February 2020: The Melanocortin 3 Receptor and Pediatric Obesity
Presidential Symposium, Society for Study of Ingestive Behaviors, July 2019: Eating Behaviors in Adolescents at risk for Type 2 Diabetes
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, 2nd 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
Mars (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, International Conference on Eating Disorders: An Experimental Study of the Effects of Cognitive Fatigue on Youth's Energy Intake: Interaction of Cognitive Fatigue with Reported Dietary Restraint
Platform Presentation, Keystone Symposium, Neuroimmunometabolism - Obesity at the Crossroads between Neuroimmunity and Immunometabolism, October 2022: Loss of Transglutaminase 2 in Adipose Tissue Macrophages Exacerbates Inflammation in Mice with Diet-Induced Obesity
Platform Presentation, The Obesity Society 2022: Role of MC3R in Hepatic Lipophagy and Obesity: LC3-II Activation and Autophagosome Formation
Platform Presentation, The 31st Annual Congress of the European Clinical Obesity Group, 2022: Clinical Improvements Following Setmelanotide in Patients With Bardet-Biedl Syndrome
Platform Presentation, Pediatric Academic Societies, 2022: Energy Intake in Children and Adolescents and the Cortisol Awakening Response
Platform Presentation, Pediatric Endocrine Society, 2022: Impact of Setmelanotide Treatment on Lipid and Cardiovascular Parameters in Patients With Bardet-Biedl Syndrome in a Phase 3 Trial
9th annual Obesity Journal Symposium, The Obesity Society, 2021: Longitudinal Associations Between Facets of Sleep and Adiposity in Youth
Platform Presentation, The Obesity Society 2021: Immunomodulatory Effects of Colchicine on PBMC in Obesity: Data from a Randomized Controlled Trial
Platform Presentation, The Endocrine Society, 2021: Effects of Setmelanotide in Patients With POMC, PCSK1, or LEPR Heterozygous Deficiency Obesity in a Phase 2 Study.
Platform Presentation, ICED 2021: The Relationship Between Empirically-Derived Disinhibited Eating Subtypes and Metabolic and Inflammatory Markers in Youth.
Platform Presentation, ICED 2021: Neural Correlates of Attentional Threat Bias in Relation to Test Meal Intake among Adolescent Girls with Overweight or Obesity. ICED 2021

- Platform Presentation, The Obesity Society 2020: Weight-Based Teasing in Youth: Associations with Metabolic and Inflammatory Markers.
- Platform Presentation, The Obesity Society 2020: Associations of Facets of Sleep and Adiposity in Youth.
- Platform Presentation, Pediatric Academic Societies, 2020 (Canceled): Acute sleep change, energy intake, and glucose metabolism in children.
- 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

Member, review panel, pilot project program, Southern California Center for Chronic Health Disparities in Latino Children and Families, 2021
Member, Clinical Center, NIH Bench to Bedside Scientific Proposal Review Committee: 2010-Date; Chair, 2017-2018, 2020, and 2021
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
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, ECHO ISPCTN PRC Review Committee 2022-2023
Member, Endocrinologic and Metabolic Drugs Advisory Committee, Food and Drug Administration, 2019-2023.
Dissertation Committee Member for Meghan Parker, USUHS: "Neural Activation Underlying Biased Reward Learning and Loss-of-Control Eating in Adolescent Girls" 2019-Date
Dissertation Committee Member for Sarah LeMay Russell, USUHS: "Facets of Sleep and Eating Behavior" 2018-2021
Dissertation Committee Member for Meghan Byrne, USUHS: "Neural Underpinnings of Anxiety in Relation to Eating Behaviors in Adolescence" 2018-2021.
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. "Role of Mc3r in control of lipogenesis and lipolysis.
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

Chair, Fellowship Sub-Committee, The Obesity Society, 2022-2024, member 2020-2022
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 2010-2018
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

NICHD Associate Scientific Director for Translational Medicine, 2019-Date
Member, NIH Intramural Institutional Review Board, 2019-2025
Chair, NICHD Intramural Research Fellowship Scientific Review Group 2021-Date
Member, Pediatric Endocrinology Fellowship Clinical Competency Committee, 2022-Date
NIH Medical Research Scholars Program Executive Advisory Committee 2012-Date
Member NICHD Tenure & Promotions Committee, Ad Hoc 2016-2017; Full 2018-Date
Member, Search Committee for Director, Office of Nutrition Research, Office of the NIH Director, NIH, 2022-2023

Member, Search Committee for NICHD Clinical Director, 2022
Member, Search Committee for NIDDK Senior Clinician, 2022
Member NICHD DIR Awards Committee, 2022-Date
Chair, Search Committee for NICHD Staff Clinicians, 2021-2023
Member, NIH Sterile Product for Human Administration Committee, 2020-Date
Member, NICHD Strategies to Enrich Inclusion and Achieve Equity (STRIVE) Scientific Workforce Initiative Committee 2020-Date
Member, NICHD Scientific Review Committee, 2020-Date
Member, Search Committees for NICHD Deputy Clinical Director and Pediatric Endocrinology Program Director, 2019
Member, NICHD Clinical Trials Working Group, 2017
Lecturer, NICHD, NIH Principles of Pediatric Clinical Pharmacology Course, 2016-2023
NIH Bench-to-Bedside Award Review panel: Member 2011 - Date; Chair 2017-2021
NICHD Pediatric and Adult Endocrinology Fellowship mentor 1998-2022
Member, Search Committee, NICHD IRB Chair, 2016-2017
Lecturer, Amgen Scholars, 2016, 2017
Head, Pediatric Endocrinology, Metabolism, and Genetics Affinity Group, 2015-2019
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 Sarah Sheppard (NICHD 2022-Date), Bobby Cheon (NICHD, 2022-Date), Suchitra Hourigan (NIAID, 2022-Date), Fasil Tekola-Ayele, PhD (NICHD, 2017-Date; Chair 2022-Date), Yaron Rotman, MD (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, 2nd 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, Micalizzi M, D'Angio G. An animal model to detect the neuropsychological toxicity of anticancer agents. *Med Pediatr Oncol*. 17(3):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. 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.
21. 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.
22. 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.
23. 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.
24. 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.
25. 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.
26. 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.
27. Baron J, Winer KK, Yanovski JA, Cunningham AW, Laue L, Zimmerman D, Cutler GB, Jr. Gain-of-function mutations of the Ca²⁺-sensing receptor gene cause autosomal dominant and sporadic hypoparathyroidism. *Hum Mol Genet*; 5:601-606, 1996.
28. 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.
29. 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.
30. 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. PMC507278
31. 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.

32. Yanovski JA, Yanovski SZ, Friedman TC, Loh YP, Jayasvasti V, Cutler GB Jr, Chrousos GP. Etiology of the Differences in Corticotropin-Releasing Hormone-Induced ACTH Secretion of Black and White Women. *J Clin Endocrinol Metab* 81:3307-11, 1996.
33. 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.
34. 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.
35. 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.
36. 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.
37. 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.
38. Yanovski SZ, Reynolds JC, Boyle AJ, Yanovski JA. Resting metabolic rate in African American and Caucasian girls. *Obesity Research* 5:321-325, 1997.
39. Yanovski JA, Friedman TC, Nieman LK, Chrousos GP, Cutler GB Jr, Doppman JL, Kalogeras KT. Inferior petrosal sinus AVP in patients with Cushing Syndrome. *Clin Endocrinol (Oxf)*. 47:199-206, 1997.
40. Heinrichs C, Colli MJ, Yanovski JA, Laue L, Gerstl NA, Kramer AD, Uyeda, JA Baron J. Effects of Fasting on the Growth Plate: Systemic and Local Mechanisms. *Endocrinology* 1997; 12:5359-65.
41. Yanovski JA, Cutler GB, Jr, Chrousos GP, Nieman LK. The dexamethasone-suppressed corticotropin-releasing hormone stimulation test differentiates mild Cushing's disease from normal physiology. *J Clin Endocrinol Metab.* 83:348-352, 1998. PMC7257118
42. Papanicolaou DA, Yanovski JA, Cutler GB, Jr, Chrousos GP, Nieman LK. A single midnight serum cortisol measurement distinguishes Cushing syndrome from pseudo-Cushing states. *J Clin Endocrinol Metab.* 83:1163-67, 1998.
43. Miller KD, Jones E, Yanovski JA, Shankar R, Feuerstein I, Falloon J. Visceral abdominal-fat accumulation associated with use of indinavir. *Lancet* 351:871-75, 1998.
44. 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.
45. 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. PMC6146918
46. 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.
47. 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.
48. Yanovski JA, Miller KD, Jones E, Friedman TC, Chrousos GP, Tsigos C, and Falloon J. Endocrine and metabolic evaluation of human immunodeficiency virus-infected patients

- with evidence of protease inhibitor-associated lipodystrophy. *J Clin Endocrinol Metab.* 84:1925-81, 1999.
49. Yanovski JA, Yanovski SZ. Recent advances in basic obesity research. *JAMA.* 282:1504-7, 1999.
 50. DeLuca F, Uyeda JA, Mericq V, Mancilla EE, Yanovski JA, Zile MH, Baron J. Retinoic Acid is a Potent Regulator of Growth Plate Chondrogenesis. *Endocrinology* 141:346-53, 2000.
 51. 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
 52. Heck AM, Yanovski JA, Calis KA. Orlistat: A New Lipase Inhibitor for the Management of Obesity. *Pharmacotherapy* 20:270-9, 2000. PMC6145169
 53. 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.
 54. 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.
 55. 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.
 56. Yanovski JA, Yanovski SZ, Boyle AJ, Gold P, Sovik K, Feldman SD, Drinkard B. Hypothalamic-pituitary-adrenal (HPA)-axis activity during exercise in African American and Caucasian women. *J Clin Endocrinol Metab.* 85:2660-3, 2000.
 57. Yanovski JA, Diament AL, Sovik KN, Nguyen TT, Li H, Sebring N, Warden CH. Associations between Uncoupling Protein 2, body composition, and resting energy expenditure in lean and obese African American, White, and Asian children. *Am J Clin Nutr.* 71:1405-1420, 2000. PMCPMC4495659
 58. Yanovski JA, Sovik KN, Nguyen T, Sebring NG. Insulin-like growth factors and bone mineral density in African American and White girls. *J Pediatr.* 137:826-832. 2000.
 59. Yanovski JA, Yanovski SZ, Sovik KN, Nguyen TT, O'Neil PM, Sebring N. A Prospective Study of Holiday Weight Gain. *N. Engl. J. Med.* 342:861-7, 2000.
 60. Werber-Leschek EW, Troendle JF, Yanovski JA, Rose SR, Bernstein DB, Cutler GB, Baron J. Effect of Growth Hormone Treatment on Testicular Function, Puberty, and Adrenarche in Boys with Non-Growth Hormone-Deficient Short Stature: A Randomized Double-Blind, Placebo-Controlled Study. *J Pediatr.* 138:406-410, 2001.
 61. Morrison JA, Guo SS, Specker B, Chumlea WC, Yanovski SZ, Yanovski JA. Assessing the body composition of 6-17-year-old Black and White girls in field studies. *Am J Hum Biol.* 13:249-54, 2001.
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Principal / Accountable Investigator for NIH clinical research protocols:

83-CH-0199: A Double-Blind, Randomized, Placebo-Controlled Clinical Trial of Luteinizing Hormone-Releasing Hormone Analog (LHRHa) in Pubertal Patients with Extreme Short Stature

- 84-CH-0169: Endocrine Studies of Healthy Children
- 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. NCT00001522
- 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. NCT00001723
- 00-CH-0134: Effects of metformin on energy intake, energy expenditure, and body weight in overweight children with insulin resistance. NCT00005669
- 00-CH-0010: Metabolism and Body Composition of Healthy Children and Children with Chronic Infections
- 02-CH-0100: The SCOOP Study: Supplemental calcium in overweight out-patients. NCT00030238
- 03-CH-0101: The WRAP Study: Weight and its relationship to adolescent perceptions of their providers.
- 04-CH-0050: Eating behavior in children. NCT00320177
- 06-CH-0038: Body heat content and dissipation in obese and normal weight adults. NCT00266500
- 06-CH-0039: Pilot program for the targeted prevention of adolescent weight gain NCT00263536
- 06-CH-0141: Non-exercise activity thermogenesis (NEAT) in children. NCT00315172
- 07-CH-0126: Pilot study of the metabolic effects of betahistine hydrochloride in overweight women. NCT00459992
- 08-CH-0085 Eating behavior in adolescents. NCT00631644
- 08-CH-0139 Preventing excessive weight gain in adolescent girls at high-risk for adult obesity. NCT00680979
- 08-CH-0213 WAGR syndrome and other 11p contiguous gene deletions: clinical characterization and correlation with genotype. NCT00758108
- 11-CH-0004 Free fatty acids, body weight, and growth hormone secretion in children. NCT01237041
- 11-CH-0239 Mood and Insulin Resistance in Adolescents At-Risk for Diabetes. NCT01425905
- 12-CH-0051 Brain-Derived Neurotrophic Factor in Obesity and Neurocognitive Function. NCT01517048
- 13-CH-0097 Fat Metabolism and Function-Altering Polymorphisms in MC3R. NCT01851421
- 13-CH-0169 Effects of Interrupting Sedentary Behavior on Metabolic and Cognitive Outcomes in Children. NCT01888939
- 14-CH-0119 Pilot Study of the Effects of Colchicine in Non-Diabetic Adults with Metabolic Syndrome. NCT02153983
- 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. NCT02179151
- 15-CH-0096 Children's Growth and Behavior Study. NCT02179151
- 17-CH-0014 Pilot Study of Mobile Attention Training in Overweight Female Adolescents. NCT02977403

- 17-CH-0078 Setmelanotide (RM-493; Rhythm Pharmaceuticals, Inc.) Phase 2 Open-Label Treatment Trials in Patients with Rare Genetic Disorders of Obesity. NCT03013543
- 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 with a Double-Blind, Placebo-Controlled, Randomized Withdrawal Period of Diazoxide Choline Extended-Release Tablets (DCCR, Soleno Therapeutics, Inc.) in Participants with Prader-Willi Syndrome. NCT03440814
- 000235-CH COLSIO Trial: Phase II Randomized, Controlled Trial of Colchicine to Suppress Inflammation and Improve Insulin Resistance in Adults and Adolescents with Obesity. NCT05017571
- 000241-CH Phase II Trial of Liraglutide in Adolescents with Obesity After Sleeve Gastrectomy: A Pilot Open Label. NCT04883346

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 and 20.053: Roles of the melanocortin 3 receptor for energy balance of mice
- ASP 18.052 and 21.052: Ameliorating obesity-linked adipose inflammation in mice
- ASP 21.054: Role of Adipose Tissue Macrophage-Derived Transglutaminases on Tissue Expansion and Chronic Inflammation