

Deborah J. Clegg

Curriculum Vitae

Education:

1986	BS, Nutrition, Oregon State University, Corvallis, OR
1993	MBA, Boston University, Boston, MA
2000	PhD, Nutrition, University of Georgia, Athens, GA (Advisor: Roy Martin)
2000-2002	Post-Doctoral Fellow, Obesity Research Center, University of Cincinnati, Cincinnati, OH (Advisor: Steve Woods)

Licensure:

1987-Present	Registered Dietitian, American Dietetic Association
1993-2000	Georgia State Licensed Dietitian
2000-2009	Ohio State Licensed Dietitian

Board Certification:

1990-1995	Board Certified, Diabetes Education (CDE)
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Professional Experience:

1994-1997	Instructor, Department of Nutrition, Emory University
2002-2008	Assistant Professor (Tenure Track), Department of Psychiatry, University of Cincinnati
2008-2011	Assistant Professor, Department of Internal Medicine, University of Texas Southwestern Medical Center with a joint appointment in the Department of Clinical Nutrition
2011-2014	Associate Professor with Tenure, Dept of Internal Medicine, University of Texas Southwestern Medical Center with a joint appointment in the Department of Clinical Nutrition
2013-2014	Chair, Department of Clinical Nutrition
2014-2018	Professor, Departments of Internal Medicine and Biomedical Sciences, Research Scientist III, Cedars-Sinai Medical Center
2018-2019	Visiting Professor, Departments of Internal Medicine and Biomedical Sciences, Research Scientist III, Cedars-Sinai Medical Center
2014-2018	Professor, University of California Los Angeles (UCLA)

2018-2019	Visiting Professor-in-Residence, University of California Los Angeles (UCLA)
2018-2019	Distinguished Scientist-in-Residence Department of Health Studies College of Arts and Sciences American University Washington, DC
2019-current	Professor and Interim Chair, PhD Nursing Program Associate Dean for Research College of Nursing and Health Professionals Drexel University Philadelphia, PA

Professional Activities:

1992-1993	American-European Dietetic Association, President
1993-1998	Georgia Dietetic Association, Board Member
1996-1997	Georgia Dietetic Association, Media Representative/Public Relations
2000-Present	Member, American Diabetes Association
2000-Present	Member, Endocrine Society
2000-Present	Member, Society for the Study of Ingestive Behavior
2006-Present	Member, Society for Neuroscience

NIH Review Panels:

2007-NIH SCOR Center Grants
2007-NIH NNB Study Section
2008-NIH AED Study Section
2008-Present: NIH ad Hoc Reviewer
2012-Present: Training Grants, NIDDK, NIH
2012-Present: Ad Hoc Integrative Physiology of Obesity, NIDDK, NIH
2012-Present: Ad Hoc NIMH Sex Differences
2012-Present: NIH Training Grants
2014-Present: American Diabetes Association
2016-Present: Veterans Administration Grants

Editorial Boards and Meeting Planning Committees:

2008-2012 – Planning Committee for the Endocrinology National Meeting, Endocrinology Society
2009-FASEB Summer Conference on CNS/Obesity, Planning Organizer
2009-American Diabetes Association, Abstract Review Committee
2009-Obesity Society, Abstract Review Committee
2010-Estrogen Receptor Focus Group, Dallas Area Collaborative Research Group Focusing on the Role of Estrogens and Their Receptor, Meeting Organizer
2010-2012 - Editorial Board for <i>Nutrition and Diabetes Journal</i>
2010-2012 – Endocrinology Meeting Planning Board, Endocrinology Society

2010-2014- Green Center for the Study of Reproduction, University of Texas Southwestern Medical Center, Invited Seminar Series Organizer
2010-2017 - Editorial Board for Biology of Sex Differences Journal
2011-2017 – Editorial Board *Endocrinology*
2014-2017 – Editorial Board *Diabetes*
2016 - Organizer for: Keystone Obesity and Metabolic Syndrome Meeting, Banff, Canada
2017 - Organizer for: Keystone Sex Differences in Metabolism Lake Tahoe, California

Ad-Hoc Reviewer for Journals:

American Journal of Physiology (2000 – present)
Journal of Neuroscience (2002 – present)
Experimental Biology (2003 – present)
Diabetes (2003 – present)
International Journal of Obesity (2003 – present)
Obesity (2003 – present)
Cell Metabolism (2005 – present)
Neuroscience (2005 – present)
Endocrinology (2005 – present)
Physiology and Behavior (2005 – present)
Nature Medicine (2010 – present)
Proceedings of the National Academy of Sciences (PNAS) (2010 – present)
Journal of Clinical Investigation (2010 – present)

Honors and Awards:

1999-2000	Recipient, Burton Feeding the Hungry Scholarship, Univ GA
1999-2000	Member, Gamma Sigma Delta, The Honor Society of Agriculture
1999-2000	Member, Blue Key National Honor Fraternity
2002	Young Investigator Award Recipient, SSIB Meeting, Philadelphia, PA
2003	Young Investigator Award Recipient, International Congress of Obesity, Sao Paulo, Brazil
2010	Distinguished Researcher Award, University of Texas Southwestern Medical Center, Dallas, Texas
2014	Outstanding Teacher, Medical Student Class of 2017, UTSW
2015	Outstanding Teacher, Medical Student Class of 2018, UTSW
2016	Boyd L. O'Dell Distinguished Lecturer, University of Missouri
2019	Gill Transformative Investigator Award for Outstanding Contributions to Cellular, Molecular and Systems Neuroscience, Indiana University

Research Grants and Fellowships Received:

Pending:

2020-2022: NIH NCI-P30 Administrative Supplement. Subcontract Award to Drexel University: Building a Multi-Institutional Transdisciplinary Cancer and Aging Research Team- From Cells to Society (CART-C2S) (Co-PI's: Lu-Yao, G., Chapman, A., DiMaria-Ghalili,

R.A., **Clegg, D.**, Sell, C., Yang, C., Lopez, A., Simone, N., Martinez-Outschoorn, O.)
\$49,821.56/year

2020-2025: Millennium Institute for the study of sex-based differences in disease;
Millennium Science Initiative |National Agency of Investigation and Development (ANID)
Government of Chile (A Nielede PI, DJ Clegg Co-PI) \$87,000/year

2010-2022-NIH/NIDDK R15 Grants.gov Tracking # GRANT12888507: Neuregulin-1 in
adipose expandability (J Bracht PI, DJ Clegg Co-PI 40% effort) \$70,000/year

2020-2024-NIH 1R01NR019422-01 # GRANT12976396: The Influence of Sex Hormones,
Sex Chromosomes, and Gender on Women's Metabolic & Mental Health (A Trotter PI, DJ
Clegg Co-PI, S Phillips Co-PI) \$95,000

2020-2022-NIH R25: Enhancing Nutrition Education with Diversity Training (J Nassar PI, DJ
Clegg Co-PI) \$14,000

2020-2024- NIH/NCCIH: Integrative Intervention with Creative Arts Therapy and Nutrition-
I2CAN (D Sukumar PI, K Girija PI, DJ Clegg Co-PI) \$14,000

2020-2021- Brain Research Foundation Fay/Frank Seed Grant: Assessing the effect of
Estrogen/Testosterone ratio on brain response to food stimuli in transgender adults (J
Nassar PI, DJ Clegg Co-PI) \$7,000

2020-2022 – Coulter Grant: Culinary Alternatives to Oral Nutrition Supplements (J Deutsch
PI, Clegg Co-PI) \$2,000

Current:

2017-2021-NIH/NHLBI RO1 HL136601-01A1: Mechanism and Modulation of Sex
Differences in Myocardial Steatosis Induced Left Ventricular Dysfunction (M Nelson PI, DJ
Clegg Consultant 10% effort) \$14,000/year

Completed:

2016 – 2018: Healthy Living Project – Reducing Sodium Through the Use of Virtual Reality
Educational Training (SoHELP) ClinicalTrials.gov Identifier: NCT03027791 (B Coleman PI,
DJ Clegg Co-PI 5% effort) \$10,000/yr

2010–2015: NIH/NIDDK RO1 088220-01: Hormonal Regulation of Fat Deposition
(J Graff, PI and DJ Clegg, Co-PI, 40% effort) \$175,000/yr

2010-2015: NIH/NHLBI RO1 HL056069-13: Oxysterols, Estrogen Receptor Antagonism, and
Vascular Disease
(P Shaul, PI and DJ Clegg, Co-PI, 10% effort) \$12,876/yr

2010-2015: NIH/NIDDK P01 088761-01: Estrogen Reduces Inflammation Through ER α
(P Scherer, Project Director, DJ Clegg PI of Project 3, 50% effort) \$250,000/yr

2010-2014: Klarman Foundation for Eating Disorders: Estrogens Enhance the Therapeutic Effects of Leptin Through Estrogen Receptor-Dependent Mechanisms (DJ Clegg, PI, 50% effort) \$200,000/yr

2007-2012: NIH/NIDDK017844-31A1: Insulin and CNS Control of Body Weight and Food Intake (SC Woods, PI and DJ Clegg, Co-PI, 20% effort) \$13,067/yr

2009-2010: ISIS/Society for Women's Health Research: Sex Differences in Gene Expression in Murine Adipose Tissue (DJ Clegg, PI, 40% effort) \$75,000

2006-2013: NIH/NICHHD052112-01A1: Energy Dysregulation: Behavioral and Biological Signals (TL Davidson, PI and DJ Clegg, Co-PI, 25% effort) \$12,876/yr

2006-2010: NIH/NIDDK073689-01: Regulation of Food Intake and Body Weight by Hypothalamic ER α (DJ Clegg, PI, 40% effort) \$283,975/yr

2006-2009: NIH K12 HD051953-01: Cincinnati Interdisciplinary Women's Health Research Career Training Grant (BIRCWH) (L. Myatt, PI, DJ Clegg (Recipient of Junior Faculty Award), 20% effort) \$75,000

2005-2008: American Institute for Cancer Research: Dietary Restrictions, Meal Anticipation, and Mammary Tumor Formation (DJ Clegg, PI, 40% effort) \$165,000

2006-2007: ISIS/Society for Women's Health Research: Sex Differences in Gene Expression in Murine Adipose Tissue (DJ Clegg, PI, 30% effort) \$23,755

2004-2009: NIH/NCI U01 ES012770-06: Puberty and Cancer Initiation: Environment, diet, and obesity, (R Bornschein PI, DJ Clegg, Co-PI, 20% effort) \$1,015,437

2004-2006: NIH/NIDDK59630: A New Method for Body Fat Distribution in Mouse Models (DJ Clegg, PI, 60% effort), Pilot and Feasibility Project for the Cincinnati Mouse Metabolic Phenotype Center, (P Tso, PI) \$30,000

2002-2004: NIH/NIDDK NRSA DK54080: Gender Differences in Leptin Signaling (DJ Clegg, PI, Postdoctoral Fellow, 80% effort) \$150,000

Fellowship Support Obtained for Trainees:

Boman Irani (Postdoctoral Fellow) American Heart Association (7/1/09 – 6/30/10)

Rafael Nafikov (Postdoctoral Fellow) American Heart Association (7/1/11 – 6/30/12)

Ammy Santiago (Graduate Student) NIH/NIDDK 5R31DK093331 (7/1/11 – 6/30/14)

Reina Mayor (MD Fellowship) Marshall Klaus Perinatal Research Award for "In Utero Exposure to Maternal High Fat Diet Increases Fetal Lung Inflammation Impairing Lung Development" (5/1/13 – 4/31/14)

Roberta de Souza Santos, (Postdoctoral Fellow) Brazilian Science Foundation (8/1/15 – 7/31/16)

Luciana Alves de Fátima, (Postdoctoral Fellow) Brazilian Science Foundation (1/21/16- 11/20/16)

Invited Lectures:

2020 – 01/14 – Potassium Homeostasis in Individuals with CKD, Invited Symposium, Guongzu, China

2019 – 04/09 – The Role of the Plant-based Diet in Patients with CKD, Invited Symposium, Chinese National Kidney Association, Huangxo, China

2019 – 03/09 – Obesity Paradox in Patients with CKD, Invited Symposium, Guongzu, China

2019 – 05/10 – The Role of the Plant-Based Diet in CKD, Invited Symposium, National Kidney Foundation Annual Meeting, Boston, MA

2019 – 05/05 – Cross Hormone Therapy and Cardiometabolic Health in Transgender Individuals, Invited Symposium, Organization for the Study of Sex Differences Annual Meeting, Washington DC

2019 – 03/29 – Sex, Hormones, and Faith – The Importance of Inclusion, Invited Lecturer, Baylor University, Waco, TX

2019 – 02/21 – The Role of Sex Hormones in Regulating Food Intake and Body Weight, Guest Lecturer, George Washington University, Washington, DC

2019 -01/15 – The Role of Sex and Gender in Metabolism, Invited Guest Lecturer, University of Texas San Antonio Health Sciences Center, San Antonio, TX

2018 – 12/10 – The Role of Sex Hormones in Brain Inflammation, Invited Guest Lecturer, Brigham and Women's, Harvard MA

2018 – 10/26 – The Role of Fruits and Vegetables in the Diet of CKD Patients, Invited Symposium, American Society of Nephrology, San Diego, CA

2018 – 2/23 – The Role of Sex and Gender in Body Fat Distribution, Invited Lecturer Mayo Clinic Nephrology Course, Amelia Island, FL

2018 – 1/25 – Sex and Gender in Transplant, Invited Speaker, Women in Transplant Meeting, Los Angeles, CA

2017 – 11/18 – Dietary Supplements and Electrolyte Imbalances in Patients with CKD, Brazilian Society of Nephrology, Recife, Brazil

2017 – 11/17 – The Role of Sex and Gender in Body Fat Distribution and Prevalence of the Metabolic Syndrome, Brazilian Society of Nephrology, Recife, Brazil

2017 – 10/10 – The Role of Sex and Gender in Athletic Performance, Sports Medicine Conference, Ironman Medical Conference, Kona, Hawaii

2017 – 9/20 – Inflammation and Chronic Kidney Disease, Invited Lecture, Continuing Medical Education Society of Kidney Disease, Malmo Sweden

2017 – 9/18 – The Role of Sex Hormones in Metabolic Function, Invited Lecture, NIH Symposium focusing on the role of Sex and Gender in Lung Disease, Bethesda, MD

2017 – 7/5 – Sex Differences in Hypothalamic Processing of Fatty Acids, Invited Symposium, International Union of Physiological Sciences, Rio de Janeiro, Brazil

2017 – 5/16 – Is Now the Time to Liberalize Potassium in the Diet of Renal Failure Patients? – Invited Lecture, Mayo Clinic Meeting on Nephrology, Lisbon Portugal

2017 – 5/11 – Estrogens are They Good for Both Men and Women? – Invited Lecture, Nuclear Hormone Signaling, FASEB Conference, Snowmass, Colorado

2017 5/3 – Sex Hormones and Their Impact on Metabolism – Invited Speaker, Endocrine Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, California

2017 - 4/29 – Metabolic Implications of Cross Hormone Therapy for Transgender Individuals, Invited Speaker, LGBTQ National Meeting, Chicago IL

2017 - 4/20 – What is Good for the Goose, Is It Also Good for the Gander, Invited Speaker, Sex Hormones and Their Metabolic Implications, American University, Washington DC

2017 – 4/12 – Cross Hormone Therapy and The Metabolic Implications – BATTs Seminar, Invited Speaker, Cedars-Sinai Medical Center, Los Angeles, California

2017 – 4/1 – Nutritional Considerations of Transgender Individuals, Keynote Lecture, Sports and Cardiovascular and Nutrition (SCAN) Meeting, Charlotte, North Carolina

2017 – 3/21 – The Role of Estrogen Receptor Alpha in Facilitating Beiging of White Adipose Tissue, Invited Symposium and Organizer of a Keystone Meeting focusing on Sex and Gender Factors Affecting Metabolic Homeostasis, Diabetes and Obesity, Lake Tahoe, California

2017 – 2/21- The Role of Sex Hormones and Chromosomes in Mediating Metabolic Risk, Invited Seminar, University of California at Berkeley, Berkeley, California

2017 – 2/14- The Role of Sex and Gender in Metabolic Disease Risk, Invited Seminar, Department of Endocrinology, Cedars-Sinai Medical Center, Los Angeles, California

2017–1/27 – Gonadal Hormonal Impact on Metabolic Disease Risk, Invited Seminar Department of Endocrinology, University of Texas Southwestern Medical Center, Dallas, Texas

2016-11/29 – Role of Sex Hormones in Regulating Metabolism, Invited Symposium, New Frontiers in Obesity Research, IMIBIC, Cordoba Spain

2016-11/11 – Role of Sex Hormones in Regulating Metabolism, Invited Symposium, Hormone Regulation of Metabolism, Karolinska Institutet, Stockholm Sweden

2016-10/13 – Role of Sex Hormones in Regulating Metabolism, Invited Symposium, Physiology Department, Children's Hospital, Los Angeles CA

2016-10/07 – The Metabolic Syndrome in the CKD Patient, Invited Speaker Brazilian Society of Nephrology, Recife Brazil

2016-10/06 – Is It Time to Liberalize Potassium in the Diet of CKD Patients? Invited Speaker Brazilian Society of Nephrology, Recife Brazil

2016-9/29 – Estrogens: What is Good for the Goose, Is It Good for the Gander?? Sex Differences Across the Lifespan Invited Lecture, Broadmoor CO

2016-9/27 – Role of Sex Hormones in Regulating Metabolism, Invited Symposium, Physiology Department, Colorado State University, Fort Collins CO

2016-9/22 – Role of Sex Hormones in Regulating Metabolism, Invited Symposium, Department of Internal Medicine, Houston TX

2016-5/22 – Career Advancement as a Women in Science, Big Brothers and Sisters of America, Talent Agency Beverly Hills, Beverly Hills, CA

2016 – 4/2 – Estrogens and Metabolism, Experimental Biology Meeting, San Diego CA

2016 – 3/24 Boyd L. O'Dell Named Lectureship: Estrogens: Critical Regulators of Metabolism, University of Missouri, Columbia, MO

2016 – 3/21- Role of Estrogens in Prostate Cancer, Genetics Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, CA

2016 – 2/12 – Sex Hormones and Metabolism, Keystone Meeting, Banff, Canada

2016 – 1/12 – Endocrinology Grand Rounds, Cedars Sinai Medical Center, Los Angeles, CA

2015 – 8/28 – Perfecting Your Elevator Speech, Faculty Development Series Department of Nursing, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 8/13 – Metabolic Impact of Sex Hormones on Obesity, FASEB Society Meeting, Big Sky MO

2015 – 7/21 – Maternal High Fat Diet Influences Fetal Development, Department of Biomedical Sciences, Santiago Chile

2015 – 7/20 – Estrogens Critical Regulators of Body Homeostasis, Keynote Address, Biomedical Sciences Symposium, Santiago Chile

2015 – 6/3 – How To Prepare Your Elevator Speech, Faculty Development Series, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 5/14 – Novel Methods of Imaging Adipose Tissue, Department of Imaging, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 5/1 – Nutrition, The Metabolic Syndrome, and Chronic Renal Failure, Society of Nephrology, Sardinia Italy

2015 – 5/5 – Novel Methods of Improving Adipose Tissue Function, Board of Governors Symposium, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 4/29 – Estrogens Critical Regulators of Metabolism, Sex Steroid Symposium, Wake Forest University, NC

2015 – 4/20 – Gastric Bypass Surgery Induces Browning of Adipose Tissue, Keystone Symposium, Snowmass UT

2015 – 4/6 – Challenges in the Profession of Dietetics, Department of Nutrition, Rush University, IL

2015 – 3/25 – Body Fat and Health, Sports Spectacular Michael Kors Luncheon, Beverly Hills, CA

2015 – 3/10 – Estrogens Modulate Inflammation, Department of Endocrinology Grand Rounds, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 3/2 – Estrogens Potentiate Browning of Adipose Tissues, Ingestive Behavior Symposium, St. Moritz Switzerland

2015 – 2/12 – Gastric Bypass Surgery Induces Browning of Adipose Tissues, Department of Surgery, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 2/11 – Estrogens and Brain Inflammation, Department of Biomedical Sciences, Cedars-Sinai Medical Center, Los Angeles, CA

2015 – 2/4 – Estrogens Protect Against Inflammation, Department of Reproductive Biology, UCLA Medical School, Los Angeles, CA

2014 – 6/13 – Sex Steroid Regulation of Fat Deposition, American Diabetes Association Meeting, San Francisco, CA

2014 – 5/23 – Estrogens: Critical Regulators of Metabolism, Guest Lecturer, University of Edinburgh, Edinburgh UK

2014 – 5/10 – The Role of the Expandable Fat Cell, Continuing Education Symposium, Metabolic Regulation of Adipose Tissue, University of Texas Southwestern Medical Center, Dallas, TX

2014 – 5/13 – The Critical Role of X in Regulation Metabolism, Guest Lecturer, Green Center, University of Texas Southwestern Medical Center, Dallas, TX

2014 – 5/1 - Hypothalamic PGC-1 α Protects Against High Fat Diet Exposure by Regulating ER α , EMBO/EMBL Symposium: Translating Diabetes, Heidelberg Germany

2014 – 4/25 –The Role of Estrogens in Control of Energy Balance and Glucose Homeostasis, Metabolic Disorders, Montreal Canada

2014 – 4/24 – Hypothalamic PGC-1 α Protects Against High Fat Diet Exposure by Regulating ER α , Organization for the Study of Sex Differences, Minneapolis, MN

2013 – 9/26 – Estrogens/Estrogen Receptor Alpha: Critical Regulators of Metabolism, Centennial Symposium, Carnegie Institute for Science, Baltimore MD

2013 – 8/12 - Estrogens/Estrogen Receptor Alpha and Inflammation, Diabetes Institute, Munich Germany

2013 – 6/17 – Estrogens/Estrogen Receptor Alpha's Influence on Adipose Tissues, Endocrinology Society Meeting Invited Symposium, San Francisco CA

2013 – 5/24 – Estrogens/Estrogen Receptor Alpha: Critical Regulators of Metabolism, Metabolism Grand Rounds, Santiago Spain

2013 – 4/05 – The Case For An Expandable Fat Cell, Ross Perot Museum, Invited Symposium, Dallas TX

2013 – 2/22 – Estrogens – The Importance of The Second 'X', Metabolism Symposium, Invited Presenter, University of Texas Brownsville, TX

2013 – 1/07 – Estrogens: Critical Modulators of Central and Peripheral Metabolism, Internal Medicine Grand Rounds, Yale University, New Haven CT

2012 – 12/10 – Estrogen Receptor Alpha and CNS Control of Body Weight Regulation, Endocrinology Grand Rounds, University of Montreal, Montreal Canada

2012 – 9/23 – Estrogens: Critical Regulators of Metabolism, Endocrinology Grand Rounds, University of Texas Southwestern Medical Center, Dallas TX

2012- 8/5 – Estrogens Regulate Food Intake, Body Weight, and Reproduction, Reproductive Society, Penn State University, PA

2012 – 6/25 – Year End Highlights of Sex-Based Research, Endocrinology Meeting, Houston TX

2012 – 5/3 – Estrogen Regulation of Energy Homeostasis and Reproduction, Metabolic Regulation of Hormonal Diseases Conference, Turku, Finland

2012 – 4/26 – Estrogen and Leptin Combine to Regulate Anorexia-Based Running, Klarman Foundation, Boston MA

2012 – 4/21 – Insulin – the ‘other’ Leptin in the Regulation of Feeding, FASEB Meeting Invited Symposium, San Diego CA

2012 – 4/12 – High Fat Diets, Inflammation, and Autism?, Department of Psychology, University of Maryland, Baltimore MD

2012 – 4/16 – Estrogens and Anorexia, 12th Annual Symposium For The Prevention and Treatment of Eating Disorders, University of Texas Southwestern Medical Center, Dallas TX

2012 – 2/8 – Diets and Inflammation: A Role for Fetal Programming, Department of Nutrition, University of Texas Southwestern Medical Center, Dallas TX

2012 – 1/19 – SeXX and Your Brain, Department of Cell Biology, University of Cincinnati, Cincinnati OH

2011 – 11/12 – High Fat Diets and Hippocampal Damage, Invited Symposium, Society for Neuroscience, Washington DC

2011 – 10/26 – SeXX and the Brain, Oregon Health Sciences Center, Portland OR

2011 – 10/25 – High Fat Diets, Insulin Resistance, and Inflammation, University of Washington, Seattle WA

2011 – 10/15 – Estrogens and Cardiovascular Function, Invited Symposium Obesity Society, Orlando FL

2011 – 9/29 – Estrogens and CNS Function, Department of Internal Medicine, University of Chicago Medical Center, Chicago IL

2011 – 9/15 – E2 and Brain, Task Force on Obesity Research Symposium, University of Texas Southwestern Medical Center, Dallas TX

2011 – 8/1 – Estrogens Regulate Food Intake and Energy Balance, Gordon Conference on Sex Hormones and Cancer, Invited Talk,

2011- 4/26 – Estrogen Regulation of Food Intake Through the Central Nervous System, The biennial Colloquium Series on Nutrition, Metabolism and the Brain, Groningen, The Netherlands

2011 – 3/28 – Estrogens Regulate Body Weight, Congress on Steroid Research, Chicago IL

2010 – 1/11 – Estrogens and Body Weight, NTP Workshop: Role of Environmental Chemicals in the Development of Diabetes and Obesity, NIEHS, Raleigh, NC

2010 – 11/11 – The Metabolic Syndrome and Renal Failure: The Role of Estrogens, American Society of Nephrology Meeting, Philadelphia PA

2010 – 10/3 – SeXX and CNS Body Weight Regulation, Departments of Physiology and Neuroscience, New Jersey Medical School, Newark NJ

2010 – 9/21 – SeXX Matters in Body Weight Regulation, Department of Physiology, University of North Texas, Fort Worth TX

2010 – 9/15 – The Role of Estrogen in Mediating Success in Gastric Bypass Surgery, Nutrition Seminar Series, UTSW TX

2010 – 8/9 – The Role of Estrogen Receptor Alpha in Mediating Adiposity, Nuclear Hormone Receptor Meeting, FASEB Summer Conference, Snowmass, CO

2010 – 6/28 – SeXX Matters in Body Weight Homeostasis, Department of Physiology, Rutgers University, New Jersey

2010 – 6/24 – Sex Differences in the Efficacy of Gastric Bypass Surgery, European Meeting on Body Weight Homeostasis, Ascona Italy

2010 – 5/27 – SeXX Matters in Body Weight Regulation, Department of Physiology, Boston University, Boston MA

2010 – 5/11 – SeXX and Body Weight Regulation, Department of Medicine, Cambridge University, Cambridge UK

2010 – 5/10 – The Role of Estrogen in Body Weight Regulation, European Society of Obesity Research, Edinburgh Scotland

2010 – 4/27 – The Role of Estrogen In Matrix Proteins, Experimental Biology Symposium, Los Angeles CA

2010 – 4/19 – Estrogen and Body Weight Regulation, Department of Physiology and Medicine, Houston Medical School, Houston TX

2010 – 3/23 - Sex Differences in Adipose Tissue Function, Keystone Symposium, Keystone Colorado

2010 – 1/14 - The Role of Estrogen in Body Weight Regulation, Task Force on Obesity Research, UTSW, TX

2010 – 1/20 – Estrogen and Body Weight Regulation, Surgical Grand Rounds, UTSW, TX

2009 – 12/4 - SeXX Matters, Columbia University, New York, NY – Neuroendocrine Grand Rounds

2009 – 12/3 PKC θ and Hypothalamic Regulation of Food Intake and Body Weight, Columbia University, New York, NY – Neuroscience Seminar

2009 – 10/20 – Hypothalamic Regulation of Body Weight, Science Writers Workshop, Austin TX

2009 – 10/15 - The Role of Hypothalamic Estrogen in the Regulation of Energy Homeostasis, Neuroscience Workshop, Chicago IL

2009 – 10/14 – The Role of Peripheral Estrogen Receptor Alpha in Body Weight Regulation, Nuclear Hormone Receptor Meeting Honoring Dr. Jensen, University of Cincinnati, Cincinnati, OH

2009 – 10/7 – The Role of Fatty Acids and Hypothalamic Body Weight Regulation, Nutrition Seminar/Ground Rounds, UTSW, TX

2009 – 9/16 – The Role of Estrogen in Regulating Body Adiposity, Endocrinology Grand Rounds, UTSW, TX

2009 – 8/20 – The Role of Estrogen and Body Weight Regulation, FASEB Summer Conference on CNS Regulation of Body Weight, Snowmass, CO

2009 – 6/24 – Fatty Acids Impair CNS Insulin Signaling, CNS Regulation of Metabolism, Nice, France

2009 – 5/12 – Estrogenic Regulation of Energy Homeostasis, Internal Medicine Faculty Meeting, UTSW, TX

2009 – 3/23 – Estrogen Regulates Adiposity, European Meeting on Energy Homeostasis, St. Moritz, Switzerland

2008 – 11/17 – CNS Estrogen Receptor Alpha and Body Weight Regulation, New Investigators Symposium, National Institutes of Health, Bethesda MD

2008 – 11/14 – Body Adiposity and Breast Cancer Risk, NIEHS Symposium on Environmental Factors and Breast Cancer, Birmingham AL

2008 – 10/30 – Estrogen Regulates Energy Homeostasis, Oregon Health Sciences Center, Beaverton, OR

2008 – 6/18 - Sex Differences in Body Adiposity, American Diabetes Association, San Francisco, CA

2008 – 5/28 - Sex Differences in Body Weight Regulation, American Gynecological Association, San Diego, CA

2008 – 1/21 - Sexual Dimorphism of Adipose Tissue, Keystone Symposium, Banff, Canada

2007 – Estrogen and Body Weight Regulation, Organization for the Study of Sex Hormones and Related Diseases, Washington, DC

2007 – Fatty Acids and Carcinogenesis, National Breast Cancer Advocacy Meeting, Washington, DC

2007 – Estrogen as an Adiposity Signal, Sex Steroid Action Conference, Breckenridge, CO

2007 – Body Weight Regulation, ACOG, Washington DC

2007 – Fatty Acid Regulation of Obesity and Carcinogenesis, NIH Study Panel Focusing on Nutrition and Cancer, Washington DC

2007 - Hypothalamic Insulin Resistance, European Winter Conference on Brain Research, Les Arcs, France

2006 - Obesity and the Metabolic Syndrome, Department of Internal Medicine, Tufts University, Boston, MA

2006 – Estrogen Regulates Body Weight, Departments of Nutrition and Psychology, Purdue University, East Lafayette, IN

2006 – Estrogen Regulates Reward Circuitry, NIDA, NIH, Bethesda, MD

2006 - Obesity and Sleep Apnea, Invited Symposium, Sleep Medicine Association, Salt Lake City, UT

2006 – Estrogen, The ‘Other’ Adiposity Signal, American Diabetes Association, Washington DC

2006 – Fatty Acids Impair Insulin Signaling in the Brain, The Endocrinology Meeting, Boston, MA

2006 – Estrogen and Body Weight Regulation, American Psychological Association, New Orleans, LA

2005 - Estrogen, The ‘Other’ Adiposity Signal, Department of Internal Medicine, University of Southern California, Los Angeles, CA

2005 - Estrogen, The ‘Other’ Adiposity Signal, Department of Internal Medicine, Vanderbilt University, Nashville TN

2005 –Sex Hormones Regulate Food Intake and Body Weight” NAASO, Vancouver, BC

2005 –High Fat Diets Decrease Hypothalamic Insulin Sensitivity, Society for the Study of Ingestive Behavior, Pittsburgh, PA

2005 –MCH Regulates Food Intake and Thirst, European Winter Brain Conference, Les Arcs, France

2004 –Atkins Diet and Glucose Homeostasis, American Diabetes Association, Diabetes Educators Meeting, Indianapolis, IN

2004 - Sex Hormones Regulate Sensitivity to Adiposity Signals, Society for the Study of Ingestive Behavior, Cincinnati, OH

2004 - Sex Hormones Regulate Body Fat Distribution, Experimental Biology, Washington, DC

2004 - MTHL is Less Efficacious in Rats Rendered Obese on a High Fat Diet, European Winter Brain Conference Les Arcs, France

2004 - Gonadal Hormones and Insulin Sensitivity, European Winter Brain Conference, Les Arcs, France.

2003 - Sex Hormones Regulate Food Intake and Body Weight, Department of Internal Medicine, Vanderbilt University, Nashville, TN

2002 - MCH-Induced Food Intake is Not Blocked by Naloxone, SSIB, Philadelphia, PA

2001 - GLP-1 Regulates Food Intake and Body Weight, 10th IBNS Satellite Symposium, Cancun, Mexico

2000 - GLP-1 Attenuates the Glucoprivic Response Through Glucose Sensitive Neurons, FASEB, San Diego, CA

2000 - Leptin, the Adipocyte-Derived Satiety Factor: Is there a Role for This Hormone in Nutrition Support," Georgia Area Society for Parenteral and Enteral Nutrition, Augusta, GA.

2000 - Metabolic Response to the Atkins Diet in Lean and Obese Animals," Northeast Georgia Dietetic Association, Athens, GA

1999 - Metabolic Effects of a High-Protein and High-Fat (Carbohydrate-free) Diet in Lean and Obese Zucker Rats," NASSO, Charleston, SC.

1999 - Metabolic Effects of a High Protein (Carbohydrate-free) and High Fat (Ketogenic) Diet in Lean and Obese Zucker Rats," Faculty/Student Seminar, New York University, New York, NY.

1999 - Dietary Effects of the High Fat Ketogenic and High Protein Ketogenic Diets in Obese and Lean Zucker Rats," American Dietetic Association Meeting, Atlanta, GA

1998 - Leptin's Affect on the Consumption of a Palatable Diet In Lean and Obese Zucker Rats," FASEB, San Francisco, CA

1997 - "Eating on the Run", Atlanta Diabetes University, Atlanta, GA

1997 - Television Interview, Healthwell, CNN, Atlanta, Georgia.

1996 - Television Interview, Overweight Americans, Channel 5, Atlanta, Georgia

1996 Nutrition Undergraduate Program, "Dietetic Internship Selection Process", Georgia Southern University, Statesboro, GA

1996 - Developed/Presented Lecture Series, "How to Live with Diabetes" Patients and Families of Emory Center For Rehabilitation Medicine, Emory University, Atlanta, GA

1996 - Development/Lecturer, Emory University Wellness Program, Wellness Center, Emory University, Atlanta, GA

1996 – Member, Speakers Bureau, Emory University System of Health Care

1996 - Nutrition Undergraduate Program, "Dietetic Internship Selection Process", Appalachian State University, Boone, NC

1996 - Elected Member, Employee Council, Emory University Hospital, Atlanta, GA

1996 - Television Interview, Olestra, Channel 46, Atlanta, GA

1995 - Nutrition Undergraduate Program, "Nutritional Assessment", Georgia State University, Atlanta, GA (Use as part of Teaching?)

1995 - Nutrition Undergraduate Program, "Dietetic Internship Selection Process", University of Georgia, Athens, GA

1991 - Diabetes Support Group, "Diabetic Diets", Ramstein Air Force Base, Germany

1991 - Fairfax Hospital Nurses Continuing Education Course, "Post-Surgical Diets", Falls Church, VA

1991 - Fairfax Hospital Pediatric Nurses Forum, "Malnutrition and the Enterally/Parenterally Fed Infant", Falls Church, VA

1990 - Alexandria Hospital Professional Staff Development Conference, "Pediatric Nutrition", Alexandria, VA

1990 - Physicians Continuing Education Seminar, "Cholesterol and the Cardiac Diet", Fort Lee, VA

1989 - AIDS Research Course, "Importance of Nutritional Intervention in HIV Positive Patients", Washington, D.C.

Teaching Activities:

University of Cincinnati:

Survey of Neuroscience (Graduate Neuroscience Program, 1 Lecture/year, (2002-2007)
Neuroendocrinology of Homeostasis (Graduate Neuroscience Program, 2 Lectures/year, (2004-2008)
Advanced Nutrition (Graduate Nutrition Program, 2 Lectures/year, (2004-2008)
Pathophysiology of Diabetes (Graduate Program in Physical Therapy, 2 Lectures/year, (2006-2008)

University of Texas Southwestern Medical Center:

Medical Biochemistry (Medical School Lectures; section 3, (2011 - 2014)
Master's Degree in Nutrition (Graduate School Lectures, (2012 - 2014)
Research Design and Methods (Graduate School, Nutrition, (2012 - 2014)
Medical Physiology Lectures (Endocrinology section, (2012 - 2015)

Cedars-Sinai Medical Center:

Faculty Development Seminar Series (3 lectures) (2014 - 2018)
Research Design and Methods (Graduate School) (2015 - 2018)

Drexel University:

Faculty Development Seminar Series (4 lectures in obtaining grant funding) (2019-present)
Research Design and Methods (PhD students, Post Docs 4 lectures/seminars) (2019- present)

A. Research Papers - Peer-Reviewed (H-index 64):

1. Brugman S, **Clegg DJ**, Woods SC, Seeley RJ (2002) Combined blockade of both micro and kappa opioid receptors prevents acute orexigenic action of AgRP. *Endocrinology*. 143:4265-70: PMID:12399421
2. **Clegg DJ**, Wortman MD, Benoit SC, McOosker CC, Seeley RJ (2002) Comparison of central and peripheral administration of C75 on food intake, body weight, and conditioned taste aversion. *Diabetes*. 51:3196-3201: PMID: 12401710
3. Benoit SC, Air EL, Coolen L, Strauss R, Jackman A, **Clegg DJ**, Seeley RJ, Woods SC (2002) The catabolic action of insulin in the brain is mediated by melanocortins. *J Neurosci*, 22:9048-52: PMID 12388611
4. **Clegg DJ**, Air EL, Woods SC, Seeley RJ (2002) Eating elicited by orexin-a, but not melanin-concentrating hormone, is opioid mediated. *Endocrinology*. 143:2995-3000: PMID:12130565
5. Air EL, Benoit SC, Smith KAB, **Clegg DJ**, Seeley RJ, Woods SC (2002) Acute third ventricular administration of insulin decreases food intake in two paradigms. *Pharmacol Biochem Behav*. 72:423-9: doi: 10.1016/S0091-3057(01)00780-8 PMID:11900815
6. Air EL, Benoit SC, **Clegg DJ**, Seeley RJ, Woods SC (2002) Insulin and leptin combine additively to reduce food intake and body weight in rats. *Endocrinology*. 143:2449-52: PMID:12021212
7. Niswender KD, Morrison CR, **Clegg DJ**, Seeley RJ, Schwartz MW (2003) Insulin activation of phosphatidylinositol 3-kinase in the hypothalamic arcuate nucleus: a key mediator of insulin-induced anorexia. *Diabetes*. 52:227-31: doi: 10.2337/diabetes.52.2.227 PMID:12540590

8. Reizes O, Benoit SC, Strader AD, **Clegg DJ**, Akunuru S, Seeley RJ (2003) Syndecan-3 modulates food intake by interacting with the melanocortin/AgRP pathway. *Ann NY Acad Sci.* 994:66-73: PMID:12851299
9. Benoit SC, McQuade JAM, **Clegg DJ**, Xu M, Seeley RJ, Woods SC (2003) Altered feeding responses in mice with targeted disruption of the dopamine-3 receptor gene. *Behav Neurosci.* 117:46-54: DOI: 10.1037/0735-7044.117.1.46 PMID:12619907
10. **Clegg DJ**, Edwards GE, Martin RJ (2003) Central insulin potentiates eating elicited by 2-deoxy-D-glucose. *Physiol Behav.* 78:331-6: doi: 10.1016/S0031-9384(02)01000-4 PMID:12576132
11. Drazen DL, Schwartz MW, **Clegg DJ**, van Dijk G, Woods SC and Seeley RJ (2003) Adrenalectomy increases sensitivity to central leptin- and melanocortin-induced anorexia. *Diabetes.* 52:928-34 PMID:14633853
12. **Clegg DJ**, Air EL, Benoit SC, Sakai RJ, Seeley RJ, Woods SC (2003) Intraventricular melanin-concentrating hormone stimulates water intake independent of food intake. *Am J Physiol.* 284:R494-499: PMID:12557891
13. Wortman MD, **Clegg DJ**, D'Alessio D, Seeley RJ (2003) C75 inhibits food intake by increasing CNS glucose metabolism. *Nat Med.* 9:483-5: doi:10.1038/nm0503-483 PMID:12724740
14. Benoit SC, **Clegg DJ**, Seeley RJ, Woods SC (2003) Learned meal initiation attenuates the anorexic effects of the melanocortin agonist MTII. *Diabetes.* 52:2684-8: PMID:14578286
15. **Clegg DJ**, Benoit SC, Air EL, Jackman AJ, Seeley RJ, Woods SC (2003) Increased dietary fat attenuates the anorexic effects of intracerebroventricular injections of MTII. *Endocrinology.* 144:2941-6: doi:10.1210/en.2002-0218 PMID:12810549
16. Woods SC, Gotoh K, **Clegg DJ** (2003) Gender differences in the control of energy homeostasis. *Exp Biol Med*, 228:1175-80: PMID:14610257
17. **Clegg DJ**, Benoit SC, Blake-Smith KA, Reidy C, Woods SC (2003) Differential sensitivity to central leptin and insulin in male and female rats. *Diabetes.* 52:682-7: doi: 10.2337/diabetes.52.3.682 PMID:12606509
18. Drazen DL, Wortman MD, Schwartz MW, **Clegg DJ**, van Dijk G, Woods SC, Seeley RJ, (2003) Adrenalectomy alters the sensitivity of the central nervous system melanocortin system. *Diabetes.* 52:2928-34: doi: 10.2337/diabetes.52.12.2928 PMID:14633853
19. Seeley, RJ, Drazen DL, **Clegg DJ** (2004) The critical role of the melanocortin system in the control of energy balance. *Ann Rev Nutr.* 24:133-49: doi:10.1146/annurev.nutr.24.012003.132428 PMID:15189116
20. Benoit SC, **Clegg DJ**, Seeley RJ, Woods SC (2004) Insulin and leptin as adiposity signals. *Recent Progress in Hormone Research.* 59, 267-85: PMID:14749506
21. Niswender KD, **Clegg DJ**, Morrison C, Morten GA, Benoit SC (2004) The human obesity epidemic: A physiological perspective. *Immunology, Endocrine and Metabolic Agents*, 4, 91-104
22. **Clegg DJ**, Woods SC (2004) The physiology of obesity. *Clin Obstet Gynecol*, 47:967-79
23. Woods SC, D'Alessio DA, Tso P, Rushing PA, **Clegg DJ**, Benoit SC, Gotoh K, Liu M, Seeley RJ (2004) Consumption of a high-fat diet alters the homeostatic regulation of energy balance. *Physiol Behav.* 83:573-8: doi: 10.1016/j.physb PMID:15621062
24. Woods SC, Benoit SC, **Clegg DJ**, Seeley RJ (2004) Clinical endocrinology and metabolism. Regulation of energy homeostasis by peripheral signals, *Best Pract Res Clin Endocrinol Metab*, 18:497-515: doi: 10.1016/j.beem.2004.08.00 PMID:15533772

25. Reizes O, **Clegg DJ**, Strader AD, Benoit SC (2005) A role for syndecan-3 in the melanocortin regulation of energy balance. *Peptides*. 27: 274-80: doi:10.1016/j.peptides.2005.02.030; PMID:16289473
26. Benoit SC, **Clegg DJ**, Woods SC, Seeley RJ (2005) The role of previous exposure in the appetitive and consummatory effects of NPY. *Peptides*. 26, 751-757:; doi: 10.1016/j.peptides.2004.12.012; PMID: 15808905
27. **Clegg DJ**, Benoit SC, Reed JA, Woods SC, Levin BE (2005) Reduced anorexic effects of insulin in obesity-prone rats fed a moderate fat diet. *American Journal of Physiology*. 288, 981-986: doi: 10.1152/ajpregu.00675.2004; PMID:15604298
28. Otto B, Spranger J, Benoit SC, **Clegg DJ**, Tschöp M (2005) The many faces of ghrelin: New perspectives for nutrition research? *British Journal of Nutrition*. 93, 765-771: doi:10.1079/BJN20051446; PMID:16022744
29. Ogawa, R, Strader AD, **Clegg, DJ**, Sakai RR, Seeley RJ, Woods SC (2005) Chronic food restriction and reduced dietary fat: Risk factors for bouts of overeating. *Physiology and Behavior*. 86:578-85: doi: 10.1016/j.physbeh.2005.08.028; PMID:16176825
30. Reed JA, **Clegg DJ**, Smith KB, Tolod-Richer EG, Matter EK, Picard LS, Seeley RJ (2005) GM-CSF action in the CNS decreases food intake and body weight. *Journal of Clinical Investigation*. 115; 3035-44: PMID:16276414
31. Gotoh K, Liu M, Benoit SC, **Clegg DJ**, D'Alessio D, Seeley RJ, Tso P, Woods SC (2006) Apolipoprotein A-IV interacts synergistically with melanocortins to reduce food intake. *Am J Physiol Regul Integr Comp Physiol*. 290: R202-7: doi: 10.1152/ajpregu.00502.2005; PMID:16166201
32. **Clegg DJ**, Brown LM, Woods, SC, Benoit SC (2006) Gonadal hormones determine sensitivity to central leptin and insulin, *Diabetes*. 55:978-87: doi: 10.2337/diabetes.55.04.06.db05-1339; PMID:16567519
33. Brown L, **Clegg DJ**, Benoit SC, Woods SC (2006) Intraventricular insulin and leptin reduce food intake and body weight in C57BL/6J mice. *Physiol Behav*. 89:687-91: doi: 10.1016/j.physbeh.2006.08.008; PMID:16979194
34. **Clegg DJ**, Benoit SC, Woods SC (2006) The brain-gut-islet connection. *Diabetes*. 55 Suppl 2:S114-21 PMID: 16567519
35. **Clegg DJ**, Heffelfinger SC (2006) Obesity: It's Influence on Breast Cancer Susceptibility. *Women's Health Magazine*. Jun;43(2):123-33: PMID 114491
36. Duncan EA, Rider TR, Jandacek RJ, **Clegg DJ**, Benoit SC, Tso P, Woods SC (2006) The regulation of alcohol intake by melanin-concentrating hormone in rats. *Pharmacol Biochem Behav*. 85:728-35: doi: 10.1016/j.jpbb.2004.11.004; PMID:17188345
37. McNamara RK, Ostrander M, Abplanalp W, Richtand NM, Benoit SC, **Clegg DJ** (2006) Modulation of phosphoinositide-protein kinase C signal transduction by omega-3 fatty acids: Implications for the pathophysiology and treatment of recurrent neuropsychiatric illness. *Prostaglandins Leukot Essent Fatty Acids*. 75:237-57: doi: 10.1016/j.plefa.2006.07.009; PMID:16935483
38. Brown LM, Benoit SC, Woods SC, **Clegg DJ** (2006) Intraventricular (i3vt) ghrelin increases food intake in fatty Zucker rats. *Peptides*. 89: 687-91: doi: 10.1016/j.peptides.11.012; PMID:17196305
39. **Clegg DJ**, Brown LM, Kemp CJ, Strader AD, Benoit SC, Woods SC, Mangiaracina M, Zigman JM, and Geary N (2007) Estradiol-dependent decrease in the orexigenic potency of ghrelin in female rats. *Diabetes*. 56:1051-8: doi: 10.2337/db06-0015; PMID:17251274

40. Musatov S, Chen W, Pfaff DW, Mobbs CV, Yang XJ, **Clegg DJ**, Kaplitt MG, Ogawa S (2007) Silencing of estrogen receptor alpha in the ventromedial nucleus of hypothalamus leads to metabolic syndrome. *Proc Natl Acad Sci. USA*, 104:2501-6: PMID:17284595
41. Davis JF, Melhorn SJ, Shurdak JD, Heiman JU, Tschöp MH, **Clegg DJ**, Benoit SC (2007) Comparison of hydrogenated vegetable shortening and nutritionally complete high-fat diet on limited access-binge behavior in rats. *Physiol Behav.* 92: 924-30: PMID:17689576
42. Gear RB, Yan M, Schneider J, Succop P, Heffelfinger SC, **Clegg DJ** (2007) Charles River Sprague Dawley rats lack early age-dependent susceptibility to DMBA-induced mammary carcinogenesis. *Int J Biological Sci.* 3, 408-416: PMID: 17940635
43. Davidson TL, Kanoski SE, Schier LA, **Clegg DJ**, Benoit SC (2007) A potential role for the hippocampus in energy intake and body weight regulation. *Curr Opin Pharmacol.* 7: 613-6: PMID:18032108
44. Tracy AL, Davis J, **Clegg DJ**, Heiman J, Johnson J, Davidson TL, Benoit SC (2008) Agouti-related peptide (AgRP, 83-132) selectively promotes learned responses for dietary fats. *Pharmacol Biochem Behav.* 89:263-271 PMID:18234306
45. Kemp CJ, Barerra JG, D'Alessio DA, Scott RO, Kelm GR, Meller ST, **Clegg DJ**, Benoit SC (2008) Voluntary consumption of ethyl oleate reduces food intake and body weight in rats. *Physiol Behav.* 93:912-8: PMID:18234242
46. Shertzer HG, Schnieder SN, Kendig EL, **Clegg DJ**, D'Alessio DA, Genter MB (2008) Acetaminophen normalizes glucose homeostasis in mouse models for diabetes. *Biochem Pharmacol.* Mar 15;75(6):1402-10: doi: 10.1016/j.bcp.2007.12.003; PMID:18237716
47. Kendig EL, Schneider SN, **Clegg DJ**, Genter MB, Shertzer HG (2008) Over-the-counter analgesics normalize blood glucose and body composition in mice fed a high fat diet. *Biochem Pharmacol.* Jul 15;76(2):216-24: doi: 10.1016/j.bcp.2009.05.001; PMID:18554574
48. Davidson TL, Chan K, Jarrard LE, Kanoski SE, **Clegg DJ**, Benoit SC (2008) Contributions of the hippocampus and medial prefrontal cortex to energy and body weight regulation. *Hippocampus.* Mar;19(3):235-52: PMID:18831000
49. Shen L, Tso P, Woods SC, **Clegg DJ**, Barber KL, Carey K, Liu M (2008) Brain apolipoprotein E: an important regulator of food intake in rats. *Diabetes.* Aug;57(8):2092-8: PMID:18559657
50. Davis JF, Tracy AL, Schurdak JD, Tschöp MH, Lipton JW, **Clegg DJ**, Benoit SC (2008) Exposure to elevated levels of dietary fat attenuates psychostimulant reward and mesolimbic dopamine turnover in the rat. *Behav Neurosci.* Dec;122(6):1257-63: PMID:19045945
51. Posey K, **Clegg DJ**, Printz RL, Byun J, Morton GJ, Vivekanandan-Giri A, Pennathur S, Baskin DG, Heinecke JW, Woods SC, Schwartz MW, Niswender KD (2008) Hypothalamic proinflammatory lipid accumulation, inflammation, and insulin resistance in rats fed a high-fat diet. *Am J Physiol Endocrinol Metab.* May;296(5):E1003-12: PMID:19116375
52. Haas E, Bhattacharya I, Brailoiu E, Damjanovic M, Brailoiu GC, Gao X, Mueller-Guerre L, Marjon NA, Gut A, Minotti R, Meyer MR, Amann K, Ammann E, Perez-Dominguez A, Genoni M, **Clegg DJ**, Dun NJ, Resta TC, Prossnitz ER, Barton M. (2009) Regulatory Role of G Protein-Coupled Estrogen Receptor for Vascular Function and Obesity. *Circ Res.* Feb 13;104(3):288-91: PMID:19179659
53. Shi H, **Clegg DJ** (2009) Sex differences in the regulation of body weight. *Physiol Behav.* May 25;97(2):199-204: doi: 10.1016/j.physbeh.2009.02.017; PMID: 19250944
54. Medvedovic M, Gear R, Freudenberg JM, Schneider J, Bornschein R, Yan M, Mistry MJ, Hendrix H, Karyala S, Halbleib D, Heffelfinger S, **Clegg DJ**, Anderson MW (2009)

Influence of Fatty Acid Diets on Gene Expression in Rat Mammary Epithelial Cells.
Physiol Genomics. Jun 10;38(1):80-8 PMID:19351911

55. Liu S, Le May C, Wong WP, Ward RD, **Clegg DJ**, Marcelli M, Korach KS, Mauvais-Jarvis F. (2009) Importance of extranuclear estrogen receptor- α and membrane G protein-coupled estrogen receptor in pancreatic islet survival. *Diabetes*. Oct;58(10):2292-302 PMID:19587358
56. Wang HH, Liu M, **Clegg DJ**, Portincasa P, Wang DQ. (2009) New insights into the molecular mechanisms underlying effects of estrogen on cholesterol gallstone formation. *Biochem Biophys Acta*. Nov;1791(11):1037-47; PMID:19589396
57. Kemp CJ, Benoit SC, Elias CF, Abplanalp W, Herman JP, Migrenne S, Lefevre A, Cruciani-Guglielmacci C, Magnan C, Yu F, Niswender K, Irani BG, Holland WL, **Clegg DJ** (2009) Palmitic Acid mediates hypothalamic insulin resistance via Protein kinase-C (PKC) θ . *Journal of Clinical Investigation*. Sep;119(9):2577-89; PMID:19726875
58. Jessen L, **Clegg DJ**, Bouman SD (2009) Evaluation of the lack of anorectic effect of intracerebroventricular insulin in rats *Am J Physiol Regul Integr Comp Physiol*. Jan;298(1):R43-50 PMID:19864335
59. Davidson TL, Kanoski SE, Chan K, **Clegg DJ**, Benoit SC, Jarrard LE (2010) Hippocampal lesions impair retention of discriminative responding based on energy state cues *Behav Neurosci*. Feb;124(1):97-105 PMID: 20141284
60. Shi H, Sorrell JE, **Clegg DJ**, Woods SC, Seeley RJ (2010) The roles of leptin receptors on POMC neurons in the regulation of sex-specific energy homeostasis *Physiol Behav*. May 11;100(2):165-72 PMID: 20193700
61. Grove KL, Fried SK, Greenberg AS, Xiao XQ and **Clegg DJ** (2010) A microarray analysis of sexual dimorphism of adipose tissues in high-fat-diet-induced obese mice *International Journal of Obesity*. Jun;34(6):989-1000 PMID: 20157318
62. Irani BG, Donato J Jr, Olson DP, Lowell BB, Sacktor TC, Reyland ME, Tolson KP, Zinn AR, Ueta Y, Sakata I, Zigman JM, Elias CF, **Clegg DJ** (2010) Distribution and neurochemical characterization of protein kinase C- θ and - δ in the rodent hypothalamus *Neuroscience*. Nov 10;170(4):1065-79 PMID: 20691763
63. Zheng Q, Zhu J, Shanabrough M, Borok E, Benoit SC, Horvath TL, **Clegg DJ**, Reizes O (2010) Enhanced anorexigenic signaling in lean obesity resistant syndecan-3 null mice *Neuroscience*. Oct 2 PMID: 20923696
64. Davis JF, Choi DL, Schurdak JD, Fitzgerald MF, **Clegg DJ**, Lipton JW, Figlewicz DP, Benoit SC (2011) Leptin Regulates Energy Balance and Motivation Through Action at Distinct Neural Circuits *Biol Psychiatry*. Apr 1;69(7):668-74. doi: 10.1016/j.biopsych.2010.08.028.PMID:21035790
65. Davis JF, Choi DL, **Clegg DJ**, Benoit SC (2011) Signaling through the ghrelin receptor modulates hippocampal function and meal anticipation in mice *Physiol Behav*. Apr 18;103(1):39-43. doi: 10.1016/j.physbeh.2010.10.017. PMID:21036184
66. Krikorian R, Shidler MD, Dangelo K, Couch SC, Benoit SC, **Clegg DJ** (2010) Dietary ketosis enhances memory in mild cognitive impairment *Neurobiol Aging*. Feb;33(2):425.e19-27. doi: 10.1016/j.neurobiolaging.2010.10.006 PMID: 21130529
67. Irani BG, Xiang Z, Yarandi HN, Holder JR, Moore MC, Bauzo RM, Proneth B, Shaw AM, Millard WJ, Chambers JB, Benoit SC, **Clegg DJ**, Haskell-Luevano C (2011) Implication of the melanocortin-3 receptor in the regulation of food intake *Eur J Pharmacol*. Jun 11;660(1):80-7. doi: 10.1016/j.ejphar.2010.10.101.PMID:21199647
68. **Clegg DJ**, Gotoh K, Kemp C, Wortman MD, Benoit SC, Brown LM, D'Alessio D, Tso P, Seeley RJ, Woods SC (2011) Consumption of a high-fat diet induces central insulin

- resistance independent of adiposity. *Physiol Behav.* Jan 14 Apr 18;103(1):10-6. doi: 10.1016/j.physbeh.2011.01.010. PMID:21241723
69. Park CJ, Zhao Z, Glidewell-Kenney C, Lazic M, Chambon P, Krust A, Weiss J, **Clegg DJ**, Dunaif A, Jameson JL, Levine JE (2011) Genetic rescue of nonclassical ER α signaling normalizes energy balance in obese ER α -null mutant mice. *J Clin Invest.* Jan 18. pii: 41702. doi: 10.1172/JCI41702 PMID:21245576
 70. Holland WL, Bikman BT, Wang LP, Yuguang G, Sargent KM, Bulchand S, Knotts TA, Shui G, **Clegg DJ**, Wenk MR, Pagliassotti MJ, Scherer PE, Summers SA. (2011) Lipid-induced insulin resistance mediated by the proinflammatory receptor TLR4 requires saturated fatty acid-induced ceramide biosynthesis in mice. *J Clin Invest.* May 2;121(5):1858-70. doi: 10.1172/JCI43378 PMID:21490391
 71. Zillikens MC, Stančáková A, Finucane FM, Ried JS, Langenberg C, Zhang W, Beckmann JS, Luan J, Vandenput L, Styrkarsdottir U, Zhou Y, Smith AV, Zhao JH, Amin N, Vedantam S, Shin SY, Haritunians T, Fu M, Feitosa MF, Kumari M, Halldorsson BV, Tikkanen E, Mangino M, Hayward C, Song C, Arnold AM, Aulchenko YS, Oostra BA, Campbell H, Cupples LA, Davis KE, Döring A, Eiriksdottir G, Estrada K, Fernández-Real JM, Garcia M, Gieger C, Glazer NL, Guiducci C, Hofman A, Humphries SE, Isomaa B, Jacobs LC, Jula A, Karasik D, Karlsson MK, Khaw KT, Kim LJ, Kivimäki M, Klopp N, Kühnel B, Kuusisto J, Liu Y, Ljunggren O, Lorentzon M, Luben RN, McKnight B, Mellström D, Mitchell BD, Mooser V, Moreno JM, Männistö S, O'Connell JR, Pascoe L, Peltonen L, Peral B, Perola M, Psaty BM, Salomaa V, Savage DB, Semple RK, Skaric-Juric T, Sigurdsson G, Song KS, Spector TD, Syvänen AC, Talmud PJ, Thorleifsson G, Thorsteinsdottir U, Uitterlinden AG, van Duijn CM, Vidal-Puig A, Wild SH, Wright AF, **Clegg DJ**, Schadt E, Wilson JF, Rudan I, Ripatti S, Borecki IB, Shuldiner AR, Ingelsson E, Jansson JO, Kaplan RC, Gudnason V, Harris TB, Groop L, Kiel DP, Rivadeneira F, Walker M, Barroso I, Vollenweider P, Waeber G, Chambers JC, Kooner JS, Soranzo N, Hirschhorn JN, Stefansson K, Wichmann HE, Ohlsson C, O'Rahilly S, Wareham NJ, Speliotes EK, Fox CS, Laakso M, Loos RJ (2011) Genetic variation near IRS1 associates with reduced adiposity and an impaired metabolic profile *Nat Genet.* Jun 26;43(8):753-60. doi: 10.1038/ng.866; PMID:27355579
 72. Xu, Y, Nedungadi, TP, Zhu, L, Sobhani, N, Irani, BG, Davis, KE, Zhang, X, Zou, Gent, LM, Hahner, LD, Khan, SA, Elias, CF, Elmquist, JK, **Clegg DJ** (2011) Distinct Hypothalamic Neurons Mediate Estrogenic Effects on Energy Homeostasis and Reproduction. *Cell Metabolism.* Oct 5;14(4):453-65. doi: 0.1016/j.cmet.2011.08.009; PMID:21982706
 73. Castañeda TR, Abplanalp W, Um SH, Pfluger PT, Schrott B, Brown K, Grant E, Carnevali L, Benoit SC, Morgan DA, Gilham D, Hui DY, Rahmouni K, Thomas G, Kozma SC, **Clegg DJ**, Tschöp MH (2012) Metabolic control by S6 kinases depends on dietary lipids. *PLoS One.* 2012;7(3):e32631; PMID:22412899
 74. Frazao R, Cravo RM, Donato J Jr, Ratra DV, **Clegg DJ**, Elmquist JK, Zigman JM, Williams KW, Elias CF (2013) Shift in Kiss1 Cell Activity Requires Estrogen Receptor Alpha *Journal of Neuroscience.* Feb 13;33(7):2807-20 doi: 10.1523 PMID:23407940
 75. Palmer BF, **Clegg DJ** (2013) Ascent to Altitude As A Weight Loss Method; The Good and Bad of Hypoxia Inducible Factor Activation. *Obesity.* Apr 29. Doi:10.1002 PMID: 23625659
 76. Davis KE, Neinast MD, Sun K, Skiles WM, Bills JD, Zehr AJ, Zeve D, Hahner LD, Cox DW, Gent LM, Xu Y, Wand ZV, Khan SA, **Clegg DJ** (2013) The Sexually Dimorphic Role of Adipose and Adipocyte Estrogen Receptors in Modulating Adipose Tissue Expansion,

- Inflammation, and Fibrosis. *Molecular Metabolism*. Jun 4;2(3):227-42. doi: 10.1016, PMID: 24049737
77. Picard A, Rouch C, Kassis N, Moullé VS, Croizier S, Denis RG, Castel J, Coant N, Davis K, **Clegg DJ**, Benoit SC, Prévot V, Bouret S, Luquet S, Le Stunff H, Cruciani-Guglielmacci C, Magnan C (2014) Hippocampal Lipoprotein Lipase Regulates Energy Balance in Rodents. *Molecular Metabolism*. Nov 20;3(2):167-76 doi:10.1016 PMID:24634821
 78. Davis KE, Carsten EJ, Irani BG, Gent LM, **Clegg DJ** (2014) Sexually Dimorphic Role of G Protein-Coupled Estrogen Receptor (GPER) in Modulating Energy Homeostasis. *Horm Behav*. Jun;66(1):196-207. doi: 10.1016/j.yhbeh.2014.02.004, PMID:24560890
 79. Cao X, Xu P, Oyola MG, Xia Y, Yan X, Saito K, Zou F, Wang C, Yang Y, Hinton A Jr, Yan C, Ding H, Zhu L, Yu L, Yang B, Feng Y, **Clegg DJ**, Khan S, DiMarchi R, Mani SK, Tong Q, Xu Y (2014) Estrogens Stimulate Serotonin Neurons to Inhibit Binge-Like Eating in Mice *J Clin Invest*. Aug 26. pii: 74726. doi: 10.1172/JCI74726. PMID:25157819
 80. Kim M, Neinast M, Frank A, Sun K, Park J, Zehr J, Vishvanath L, Morselli E, Amelotte M, Palmer BF, Gupta R, Scherer P, **Clegg DJ** (2014) ER α Upregulates PHD3 to Ameliorate HIF-1 Induced Fibrosis and Inflammation in Adipose Tissue. *Molecular Metabolism*. Jun 7;3(6):642-51 doi: 10.1016, PMID:25161887
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