

Curriculum Vita

Randy J. Seeley Ph.D.
Department of Surgery
2800 Plymouth Road
NCRC Building 26-343N
University of Michigan
Ann Arbor, MI 48109-2800

Google Voice: 513-549-7411
Email: seeleyrj@umich.edu

Education

B.A. in Psychology with Honors, Grinnell College, 1989
M.A. in Psychology, University of Pennsylvania, 1990
Ph.D. in Psychology, University of Pennsylvania, 1993
NRSA Post-Doctoral Fellowship, University of Washington, 1993 - 1995

Academic Employment

1995 to 1997 -- Research Assistant Professor, Department of Psychology, University of Washington, Affiliate of both the Clinical Nutrition Research Unit and the Diabetes and Endocrinology Research Core
1997 to 2003 -- Associate Professor, Department of Psychiatry, University of Cincinnati
2003 to 2009
Professor, Department of Psychiatry, University of Cincinnati
Associate Director of the Obesity Research Center, University of Cincinnati
Member, Neuroscience Graduate Program, University of Cincinnati
Adjunct Professor, Department of Psychology, University of Cincinnati
Adjunct Professor, Department of Medicine, Division of Endocrinology, University of Cincinnati
Adjunct Professor, College of Allied Health Sciences
2009 to 2014
Professor, Department of Internal Medicine, Division of Endocrinology
University of Cincinnati
Director of Center Cincinnati Diabetes and Obesity Center (CDOC)
Donald C. Harrison Endowed Chair in Medicine
2014 to present
Henry King Ransom Endowed Professor of Surgery, Department of Surgery,
University of Michigan
Adjunct Professor, Department of Internal Medicine, University of Michigan

Research Interests

My scientific work has focused on the actions of various peripheral hormones in the CNS that serve to regulate food intake, body weight and the levels of circulating fuels. In particular, I have focused upon

the numerous hypothalamic and G.I. peptides and their associated receptors that influence both energy intake as well as peripheral metabolic processes with a focus on developing new treatment strategies for both obesity and diabetes. Dr. Seeley's work has been cited more than 20,000 times and he has an H-index of 66.

Grants

A) Present & Active

- New Therapeutic Strategies for Obesity (2008-2014). PI, 6-year award from Ethicon Endo-Surgery, \$10,300,000 (IC+DC).
- Dissecting mechanisms of GLP-1 based therapies for Type II Diabetes (2012 – 2016). PI, 4-year R01 award. \$940,078 (DC)
- Role of glucokinase in GLP-1 regulation of energy and glucose homeostasis (2010 – 2015). Co-Investigator (PI: Darleen Sandoval), 5-year R01 award, \$1,066,076 (DC).
- The effect of diet and nutrients on the progression and treatment of prostate cancer (2009-2014). Co-Investigator, (PI: George Thomas), PI of Project 2, 5-year U01 award, \$2,015,824 (DC)
- GLP-1 in normal and abnormal glucose tolerance (2009-2014). Co-Investigator, 5-year R01 award (PI: David D'Alessio) \$1,200,000 (DC)
- Brainstem Mechanisms of Stress Regulation. (2010-2015) Co-Investigator, R01 (PI: James Herman). \$1,711,875 (DC).
- Effects of liraglutide (2010 – 2014). PI, 4-year award from Novo Nordisk A/S \$850,644 (DC)
- A therapeutic dose-finding study of novel apoptotic peptides targeting adipose tissue in rodents (2011 – 2014). PI, 3-year award from Ablaris Therapeutics, Inc., \$245,327 (DC)
- Identifying novel adipose signals. (2012-2014). PI, 2 year award from Novo Nordisk A/S \$127,389 (DC)
- Gastrectomy development, characterization & dosing (2012 – 2014). PI, 2-year award from Zealand Pharmaceuticals A/S \$128,128 (DC)
- The role of preproglucagon peptides in the mechanism of action of linagliptin (2013-2015). Co-PI, 2-year award from Boehringer Ingelheim International GmbH, \$170,786 (DC)
- The role of taste receptors in metabolic regulation (2013-2014) PI, 1-year award from Givaudan Flavors Corp. \$315,457 (DC)

B) Previous Grants

- Identifying novel adipose signals. (2012-2014). PI, 2 year award from Novo Nordisk A/S \$127,389 (DC)
- Neuroendocrine response to gastric bypass in nonhuman primates (2010-2013). Co-Investigator, 3-year RC4 award (PI: Lee Kaplan), PI Project 2 \$300,638 (DC).
- Obesity drug target identification (2010 – 2012). PI, 2-year award from Pfizer Inc., \$761,812 (DC).
- CNS GLP-1 in energy and glucose homeostasis (2007-2010). PI, 3-year R01 award, \$615,000 (DC).
- Novel Role for CNS GLP-1 in Glucose Homeostasis (2006-2011). Mentor for K01-Award to Dr. Darleen Sandoval. \$615,248 (DC).
- Differential effects of dietary fats on CNS regulation of energy balance. (2006-2009) Mentor for American Diabetes Association Physician-Scientist Training Award to Jason Barrera. \$90,000 (DC).

GM-CSF and energy and glucose regulation. (2006-2011) PI, 5-year R01 award received an 8.0%, \$1,250,000 (DC).

CNS processes in diet-induced obesity. (2006-2011) PI, 5-year R01 award, submitted as part of a Program Project Proposal to NIDDK titled "Gut-Brain Mechanisms of Dietary Obesity" (PI: SC Woods), \$800,000 (DC).

Molecular connections between arousal and metabolic disease: Orexin and modafinil (2006-2010). PI for project 2, 4 year award from USARMC. \$620,264 (DC for just Project 2).

Screening of obesity compounds (2006). Predix Pharmaceuticals, \$30,000.

Sexual dimorphism in body-fat regulation (2006-2009). Mentor, 3-year NRSA award for Dr. Haifei Shi, ~\$140,000 (DC).

Il-1-dependent anorexia during CNS viral infection (2005-2007). Co-Investigator, R21 (PI: David Hildeman) \$375,000 (DC).

The Role of Glucagon-like Peptide 1 in Normal and Abnormal Glucose Tolerance. (2004-2009). Co-Investigator, R01 (PI: David D'Alessio) \$1,000,000

Central Syndecans in CNS Melanocortin Regulation of Energy Balance. (2004-2008). Co-Investigator, R01 (PI: Stephen Benoit) \$800,000 (DC).

GLP-1 and stress-induced body weight regulation (2004-2006). Mentor, 3-year NRSA Award for Dr. J.B. Chambers, ~\$140,000 (DC).

Mechanisms of ileal-induced weight loss (2003-2006). Mentor, 3-year NRSA Award for Dr. A.D. Strader, \$136,176 (DC).

Brainstem Mechanisms of Stress Regulation. (2003-2008) Co-Investigator, R01 (PI: James Herman). \$1,125,000 (DC).

Regulatory responses to positive energy balance. (2002-2007) PI, R01 Award, NIDDK, \$860,640 (DC).

Exploring Barriers to Treatment: Pediatric Obesity. (2002-2007) Mentor for Meg Zeller K08-Mentored patient-oriented research career development award (Total DC: \$416,018)

Body Fat and Hormones in Adolescent Obesity Treatment. (2002-2007) Mentor for Brian Saelens. K08-Mentored patient-oriented research career development award (Total DC: \$414,990).

Gender Differences in Leptin Signaling. (2002-2004). Mentor, 3-year NRSA Award for D.J. Clegg, \$136,576 (DC).

CNS GLP-1: Multiple roles in ingestion and adiposity. (2001-2006). PI, 5 years, \$954,470 (DC). Received a 5.4% score. Renewal of "CNS mediation of visceral illness."

Body weight regulation core. (2001-2006) Core Director, 5-year award for Cincinnati Diabetes Mouse Phenotyping Center proposal (PI: Patrick Tso), \$637,092 (DC).

Animal physiology core. (2001-2006) Core Director, 5-year award submitted as part of a Program Project Proposal to NIDDK titled "Gut-Brain Mechanisms of Dietary Obesity" (PI: SC Woods), \$753,463 (DC).

CNS mechanisms of dietary obesity. (2001-2006) PI, 5-year R01 award, submitted as part of a Program Project Proposal to NIDDK titled "Gut-Brain Mechanisms of Dietary Obesity" (PI: SC Woods), \$507,007 (DC). Received a 2.6% score.

Screening of pharmaceutical agents for obesity. (2000-2005). PI. Procter & Gamble Pharmaceuticals. ~\$150,000/year.

The effect of a ketogenic diet on cardiovascular risk factors. (2000-2002). Co-Inv. (PI: B. Brehm). 2-year proposal to American Heart Association, \$70,000 (DC + IC).

Novel therapeutic strategies for obesity. (1999-2004) Co-PI with SC Woods and P Tso, 5-year Unrestricted Research Gift from Procter & Gamble Co., \$5,100,000 (DC + IC).

Interaction of CNS insulin and melanocortin systems. (1999-2002) Mentor, 3-year NRSA Award for Dr. S.C. Benoit, ~\$90,000 (DC).
CNS mediation of visceral illness. (1998-2001) PI, 3-year RO1 Award, NIDDK, \$418,071 (DC).
Neuroendocrine regulation of energy balance. (1998-2001) Co-PI, (PI: MW Schwartz) 4-year R01 Award, NIDDK, \$780,886 (DC).
NRSA Minority Supplement Program. (1998-2000) PI, 3-year Supplemental Award from NIDDK for Dr. M Hagan, \$137,118 (DC).
Obesity-Related Research. (1998) PI, Unrestricted Research Gift from Hoffmann-La Roche Metabolic Diseases Unit, \$35,000.
Regulatory responses to positive energy balance. (1997-2001) PI, 4 –year R01 Award, NIDDK, \$540,016 (DC). Received a 3.4% score.
OB protein-related research. (1996) PI, Unrestricted Research Gift from Hoffmann-La Roche Metabolic Diseases Unit, \$35,000.
Endocrine and hypothalamic responses to overfeeding. (1996-1997) PI, Clinical Nutrition Research Unit, NIH Young Investigator Award, \$189,377 (DC).
OB protein-related research. (1995) PI, Unrestricted Research Gift from Hoffmann-La Roche Metabolic Diseases Unit, \$40,000.
CNS body weight regulation. (1995) PI, Grad School Fund, Univ Washington, \$2,500.

C) Submitted Grants

Testing additivity and synergism of lorcaserin and the GLP-1 system in regulation of body weight (2014-2015) Co-Investigator, (PI: Darleen Sandoval), 1-year proposal to Eisai, Inc., \$126,491 (DC)
Mechanisms for sex differences in lipid homeostasis after bariatric surgery (2014-2019), Co-Investigator (PI: Darleen Sandoval), 5-year R01 proposal to NIDDK, \$1,250,000 (DC)

Honors & Awards

Early Career Award from Society for the Study of Ingestive Behavior (2001)
Award for the highest scientific achievement of an individual studying ingestive behavior less than 10 years after their terminal degree.
Lilly Scientific Achievement Award from North American Association for the Study of Obesity (now called The Obesity Society) (2003). Award for highest scientific achievement in obesity related research in North America by an individual no more than 15 years after their terminal degree.
Gayle A. and Richard D. Olson Prize (2005). Award for best paper published in Peptides.
Sigma Xi Research Award (2006)
Award for the highest research achievement at the University of Cincinnati for an individual less than 15 years since their terminal degree.
Ernst Oppenheimer Award (2008)
This award is from the Endocrine Society and is the premier award to a young investigator in recognition of meritorious accomplishment in the field of basic or clinical endocrinology for an individual less than 45 years of age.
Outstanding Scientific Achievement Award (2009)

The Outstanding Scientific Achievement Award is given by the American Diabetes Association in recognition of outstanding scientific achievement in the field of diabetes, taking into consideration independence of thought and originality. It is given to the individual with the highest level of scientific accomplishment who is less than 45 years of age.

League of Research Excellence (2014)

Award from the University of Michigan to individuals who have made the largest contributions to the research mission of the University.

Memberships in Professional Societies

American Diabetes Association
The Obesity Society
The Endocrine Society

Editorial Positions, Boards, and Peer-Review Service

Guest Reviewer – *Science, Nature, Nature Neuroscience, Nature Medicine, Nature Genetics, Nature Biotechnology, Proceedings of the National Academy of Sciences, Journal of Clinical Investigation, Nature Review Neuroscience, Journal of Neuroscience, Diabetes, Endocrinology, American Journal of Clinical Nutrition, Trends in the Neurosciences, Behavioral Neuroscience, Neuropharmacology, American Journal of Physiology, Pharmacology, Biochemistry & Behavior, Physiology & Behavior, Appetite, Hormone and Metabolic Research, Nutrition, Neuroscience & Biobehavioral Reviews, Journal of Clinical Endocrinology & Metabolism, Journal of Pharmacology and Experimental Therapeutics, Obesity Research, Gastroenterology, Journal of Investigative Medicine, Nutrition, Neuroscience Letters, Journal of Pediatrics, Cognitive, Affective & Behavioral Neuroscience, Neuropharmacology, Cell Metabolism, Cell.*

Editorial Board – American Journal of Physiology (1999-2008).

Editorial Board – Endocrinology (2001-2005).

Editorial Board – Neuroscience and Biobehavioral Reviews (2003-Present).

Editorial Board – Journal of Clinical Investigations (2007-Present).

Editorial Board -- The Year in Diabetes and Obesity (2009-2012).

Board of Reviewing Editors – Science (2010-Present).

Editorial Board – Molecular Endocrinology (2013-Present).

Grant Reviewer – U.S.-Israel; Binational Science Foundation (1997)

Grant Reviewer – NIDDK, NIH, Special Emphasis Section Site Visit (1999)

Grant Reviewer – NIDDK, NIH, Special Emphasis Section Site Visit (2000)

Grant Reviewer – NIDDK, NIH, Special Emphasis Section, Obesity Center Grants (2000)

Grant Reviewer – Wellcome Trust (2000-2002)

Grant Reviewer – Canadian NSERC (2001)

Grant Reviewer – CSR, NIH Ad hoc member of Endocrine Initial Review Group (1999-2002)

Grant Reviewer – CSR, NIH Member Nutritional Sciences Initial Review Group (2003-2004)

Grant Reviewer – CSR, NIH Member Integrated Physiology of Obesity and Diabetes (2004-2007)

Grant Reviewer – CSR, NIH Chair Integrated Physiology of Obesity and Diabetes (2007-2008)

Teaching

Trainees

Pre-doctoral:

- Jennifer Lachey, Thesis Advisor, Neuroscience Graduate Program, 1998-2002.
Present Position: Director of Preclinical Pharmacology, Ember Therapeutics, Cambridge, MA.
- Andrew McQuade, Thesis Advisor, Neuroscience Graduate Program, 1999-2002.
Present Position: Captain, United States Air Force, Instructor U.S. Air Force Academy, Colorado Springs, CO.
- Kimberly Kinzig, Thesis Advisor, Neuroscience Graduate Program, 1999-2002.
Present Position: Associate Professor, Purdue University.
- Karine Proulx, Thesis Advisor, Neuroscience Graduate Program, 2002-2006.
Present Position: Post-doctoral fellow, Cambridge University, Cambridge UK.
- Jason Barrera, Thesis Advisor, MD/Ph.D. Joint Degree Program, 2005-2009.
Present Position: Internal Medicine Residency, Mass General Hospital
- Margaret Stefater, Thesis Advisor, MD/Ph.D. Joint Degree Program, 2007-2010.
Present Position: Pediatric Resident, Boston Children's Hospital
- Hilary Wilson-Pérez, Thesis Advisor, Neuroscience Graduate Program, 2008-2012.
Present Position: Research Coordinator, University of Cincinnati
- Jennifer Nelms, Thesis Committee, Neuroscience Graduate Program, 1998-2001.
- Julie Lovshin, Outside Examiner, University of Toronto, 2001.
- Jonathan Yates, Thesis Committee, Cell Biology Graduate Program, 1998-2002
- Matthew Wortman, Thesis Committee, Neuroscience Graduate Program, 1998-2002.
- Brooke Davis, Thesis Committee, Neuroscience Graduate Program, 2004-2007.
- Elizabeth Duncan, Thesis Committee, Neuroscience Graduate Program, 2004-2007.
- Miyuki, Tauchi, Thesis Committee, Neuroscience Graduate Program, 2004-2007.
- Adora Lin, Thesis Committee, MD/Ph.D. Joint Degree Program, 2006-2008.
- Kori Klustaitis, Thesis Committee, Pathology Graduate Program, 2006-2009.
- Tammy Kindel, Thesis Committee, Pathology Graduate Program, 2007-2010
- Matej Bajzer, Thesis Committee, MD/Ph.D. Joint Degree Program, 2006-2011.
- Annette de Kloet, Thesis Committee, Neuroscience Graduate Program, 2008-2011.

Post-Doctoral:

- Mary Hagan (now Mary Boggiano), Ph.D. (UTEP). 1998-2000.
Present Position: Associate Professor, Dept. of Psychology, Univ. of Alabama-Birmingham.
- Stephen Benoit, Ph.D. (Purdue University). 1998-2002.
Present Position: Associate Professor, Dept of Psychiatry, University of Cincinnati
- Alana Jackman, Ph.D. (University College, London). 1999-2000.
Present Position: Research Scientist, Procter & Gamble Pharmaceuticals.
- Matthew Wortman, Ph.D. (University of Cincinnati). 2002-2003.
Present Position: Research Assistant Professor and Director of Computational

Biology, Department of Cell Biology, University of Cincinnati
Koro Gotoh, M.D. (Oita University). 2000-2002.
Present Position: Assistant Professor, Department of Medicine, Oita University

Deborah Clegg, R.D., Ph.D. (University of Georgia). 2000-2004.
Present Position: Associate Professor, Dept of Internal Medicine, University of Texas Southwestern

Deborah Drazen, Ph.D. (Johns Hopkins University). 2001-2005.
Present Position: Associate Intellectual Property Division, King & Spalding LLC, New York, NY

April Strader, Ph.D. (University of Wisconsin-Milwaukee). 2002-2005.
Present Position: Associate Professor, Dept of Physiology, Southern Illinois Univ

James Brad Chambers, Ph.D. (Florida State University). 2002-2005.
Present Position: Research Scientist, University of Cincinnati

Ryuichi Ogawa, M.D. (Oita University). 2003-2005.
Present Position: Assistant Professor, Dept of Physiology, Oita University

Daniela Cota, M.D. (University of Bologna). 2004-2007.
Present Position: Associate Professor, INSERM Magendie Institute, Bordeaux, France

Lynda Brown, Ph.D. (University of Maryland). 2003-2006.
Present Position: Assistant Professor of Nutrition – UNC Greensboro

Haifei Shi, Ph.D. (Georgia State University). 2004-2009.
Present Position: Assistant Professor of Zoology – Miami (Ohio) University

Dong-Hoon Kim, M.D. Ph.D. (Korea University). 2005-2010.
Present Position: Assistant Professor of Pharmacology, Korea University

Karen Ryan, Ph.D. (University of Chicago). 2006-2011.
Present Position: Research Assistant Professor of Medicine, University of Cincinnati

Shrawan Gaitonde, M.D. (University of Texas-El Paso) 2009-2011
Present Position: Surgical Resident, University of Cincinnati

Stephanie Sisley, M.D. (Indiana University) 2009-2012
Present Position: Assistant Professor, Baylor College of Medicine

Kerstin Stemmer, Ph.D. (University of Konstanz) 2009-2011
Present Position: Assistant Professor, Helmholtz Center, Munich

Ilana Ressler, M.D. (Case Western Reserve) 2012-2013
Present Position: Reproductive Endocrinologist, New York Fertility Services

Joram Mul, Ph.D. (University of Utrecht) 2011-2013
Present Position: Post-doctoral Fellow, Joslin Diabetes Center

Ruth Gutierrez-Aguilar, Ph.D. (University of Lille). 2008-2013
Present Position: Medical Science Investigator, Hospital Infantil de Mexico

Adam Chambers, Ph.D (University of Calgary). 2008-2014.
Present Position: Research Scientist, Novo Nordisk.

Bernadette Grayson, Ph.D. (Oregon Health Sciences University) 2009-2014
Present Position: Assistant Professor of Neurobiology, University of Mississippi Medical Center

Kirk Habegger (Indiana University) 2012-2014

Present Position: Assistant Professor of Internal Medicine, University of Alabama
Birmingham
Deanna Arble, Ph.D. (Northwestern University) 2011-present
Bhushan Kulkarni, MD/Ph.D. (Purdue University) 2012-present
Henriette Frikke-Schmidt, Ph.D. (University of Copenhagen) 2014-present
Elika Shabrokh, Ph.D. (Virginia Tech University) 2014-present
Simon Evers, Ph.D. (University of Groningen) 2015-present

Career Development K-Award Mentor:

Meg Zeller, Ph.D. (University of Cincinnati). 2001-2005
Present Position: Assistant Professor, Department of Psychology, Children's
Hospital Research Foundation.
Brian Saelens, Ph.D. (University of Buffalo). 2002-2006
Present Position: Associate Professor, Department of Psychology, Seattle
Children's Hospital, Seattle WA.
Darleen Sandoval, Ph.D. (Arizona State University). 2005-2010
Present Position: Assistant Professor, Department of Surgery,
University of Michigan, Ann Arbor, MI.
Rohit Kohli, M.D. 2008-2013
Present Position: Assistant Professor, Department of Pediatrics, Cincinnati
Children's Hospital, Cincinnati, OH.

Committee, Organizational, and Volunteer Service

a. Institutional

Animal Subjects and Breeding Colony Coordinator -- Department of Psychology, University of
Washington (1995-1997)
Coordinator for Physiological Area Training Seminar (1995-1996)
Organizer for Neuroendocrinology, Regulation and Behavior Journal Club (1995-1997)
Loucks Lectureship Committee (1996-1997)
Vontz Center Operating Committee (1997-1998)
Steering Group for Medical Center Research Planning for the Millennium (1998-1999)
Neurobehavioral Task Force for Millennium Planning (2000-2001)
Lab Animal Medicine Advisory Committee (1999-present)
Metabolic Diseases Operating Committee (2001-present)
Mini-Medical College Lecture Series (2001)
Chair, Search Committee for Attending Veterinarian and Director of Laboratory Animal Services
(2002-2003)
Millennium Plan Oversight Committee (2002-2004)
Physician Scientist Promotion Board (2007-2009)

b. Regional

Regional Technology Initiative Accelerator Team (2001)

Greater Cincinnati Health Council Committee on Healthy Weight (2002-2004)

c. National

Task Force on Obesity for the American Gastroenterological Association (2004-2005)

Program Committee Annual Endocrine Society Meeting (2005-2006)

Program Committee for NAASO (2004-2007)

Faculty of 1000 (2005-2007)

NIDDK Clinical Obesity Research Panel (2011 to present)

d. International

Co-Organizer for Stock Conference sponsored by Abbott and IASO (2004)

Consulting Positions

Merck – 1998 to 2001

Procter & Gamble Pharma – 2000 to 2005

Amylin – 2005 to 2008

Eli Lilly – 2005 to 2009

Ethicon Surgical Care – 2008 to present

Zafgen – 2007 to present

Novo Nordisk – 2009 to present

Takeda – 2010 to present

Boehringer Ingelheim – 2011 to present

Zealand – 2012

Ablaris – 2012 to 2013

Novartis – 2012 to present

Eisai – 2013 to present

Janssen – 2013 to present

Visiting Professorships, Seminars, and Extramural Invited Presentations

1994:

Department of Psychology, Dartmouth College

Department of Psychological Science, Purdue University

1995:

Department of Psychology, Kent University

Department of Psychology, University of California-San Diego

1996:

Department of Psychology, University of Nebraska-Lincoln

Department of Psychology, Rutgers University

Department of Psychology, University of Iowa

Anti-Obesity Drug Targets, Boston, MA

1997:

Departments of Psychology and Biology, Georgia State University
Department of Psychology, University of California-San Diego
Pennington Biomedical Research Center
Department of Nutritional Sciences, University of Alabama-Birmingham
Department of Pharmacology, Merck Research Laboratories
Department of Psychiatry, University of Cincinnati
Department of Metabolic Diseases, Hoffmann-La Roche
Japanese Neuroendocrine Society, Tokyo, Japan

1998:

Bourne Laboratory, Cornell University
Department of Neurobiology, Mt. Sinai School of Medicine
Appetitive Seminar, Columbia University
Obesity Research Group, St. Luke's Roosevelt Hospital
Growth Hormone Educator's Conference, Indianapolis, IN
Congress of Pathophysiology, Lahti, Finland
Growth Hormone and Growth Factors in Endocrinology, Istanbul, Turkey

1999:

HYPOCCS Symposium, Venice, Italy
Department of Animal Sciences, University of Illinois
Epilepsy Educator's Conference, Palm Beach, FL
Department of Metabolic Diseases, Pfizer
Neuroendocrine Society Workshop, San Diego, CA

2000:

Kresge Research Institute, University of Michigan
Epilepsy Educator's Conference, Phoenix, AZ
Hormone Treatment Group, Eli Lilly, Indianapolis, IN
Japanese Neuroscience Society Annual Meeting, Tokyo, Japan

2001:

Department of Physiology, Laval University, Quebec City, Quebec
Department of Psychology, Concordia University, Montreal, Quebec
International Behavioral Neuroscience Society Annual Meeting, Cancun, Mexico
Society for the Study of Ingestive Behavior, Philadelphia, PA
Society for Behavioral Endocrinology Annual Meeting, Phoenix, AZ
Rushton Symposium on Neuroendocrinology, Metabolism and Ingestion, Tallahassee, FL
Annual Symposium on Gut-Brain Communication, Oxford, United Kingdom
NAASO Annual Meeting, Quebec City, Quebec
Banting and Best Diabetes Center, University of Toronto, Toronto, Ontario
Division of Endocrinology, Columbia University, New York, NY
Department of Biological Sciences, University of Wisconsin-Milwaukee, Milwaukee, WI

2002:

Division of Endocrinology, Harbor View Medical Center, Seattle, WA
Clinical Nutrition Research Unit, University of Washington, Seattle, WA
Division of Endocrinology Grand Rounds, Beth Israel Deaconess, Boston, MA
Department of Psychology, University of Nebraska, Lincoln, NE
American Federation for Medical Research, New Orleans, LA
FASEB symposium on Consequences of Dietary Fat, New Orleans, LA
Benjamin-Lafayette Seminar on Ingestive Behavior, La Napoule, France
International Congress on Obesity, Sao Paulo, Brazil
Minneapolis Endocrine Symposium, Minneapolis VA Med Center, Minneapolis, MN
Department of Obstetrics/Gynecology, Yale University, New Haven, CT

2003:

Pennington Biomedical Research Center, Baton Rouge, LA
HypoCCS Seminar, Prague Czechoslovakia
Clinical Endocrinology and Diabetes, NIDDK, Phoenix, AZ
Comprehensive Conference on Diabetes, West Palm Beach, FL
NCURA Region IV Keynote Address, Cincinnati, OH
American Society of Hypertension, New York, NY
Dietary Fat and Energy Balance, Ascona, Switzerland
American Diabetes Association's 63rd Scientific Sessions, New Orleans, LA
Communities, Higher Education and the Changing Economy, Columbus, OH
Keynote Address, Society for Behavioral Neuroendocrinology, Cincinnati, OH
Summer Research Retreat, Des Moines University, Des Moines, IA
Up-sizing efforts for healthy down-sizing conference, Venice, Italy
Neurobiological Mechanisms of Drug and Natural Reward, NIDA, New Orleans, LA
Northwestern University, Chicago, IL
American Society for Nephrology, San Diego, CA
Novel Roles of GI Hormones in Energy Homeostasis, Long Beach, CA
Abbott Research Laboratories, Chicago IL

2004:

Japanese Society Psychosomatic Internal Medicine, Oita, Japan
Endocrine, Metabolic & Reproductive Issues in Neurology & Psychiatry, New Orleans,
LA
Stock conference on CNS fuel sensing, Santa Domingo, Dominican Republic
University of Southern California, Los Angeles, CA
Satiety and Weight Management, University of California-Davis, Davis, CA
American Neuroendocrine Society Meeting, New Orleans, LA
Endocrine Society Meeting, New Orleans, LA
Society for Biomedical Research, Gaithersburg, MD
Ninth Annual Adiposcience Meeting, Osaka, Japan
ESPEN Congress, Lisbon, Portugal
Center for Neuroendocrine Studies, University of Massachusetts, Amherst, MA
Society for Neuroscience Annual Meeting, San Diego, CA
American Academy of Child and Adolescent Psychiatry Annual Mtg, Washington, DC

Division of Endocrinology, University of Michigan, Ann Arbor, MI
Boston Obesity Nutrition Research Center, Boston, MA

2005:

Keystone: Molecular Physiology and Genetics of the Control of Body Weight, Keystone, CO
Department of Pharmacology, Medical College of Ohio, Toledo, OH
Stedman Center Metabolism Group, Duke University, Durham, NC
Department of Pharmacology, Medical College of Ohio, Toledo, OH
International Union of Physiological Sciences, San Diego, CA
American Society for Biochemistry and Molecular Biology, San Diego, CA
McInvale Symposium, Tulane University, New Orleans, LA
Biology of AgRP, Pennington Biomedical Research Center, Baton Rouge, LA
American Diabetes Association Annual Meeting, San Diego, CA
Southwest Foundation for Biomedical Research, San Antonio, TX
Diabetes and Endocrinology Research Center, Albert Einstein, New York
Department of Physiology, Louisiana State University Medical Center, New Orleans, LA
College on Problems of Drug Dependence, Orlando, FL
American Association for Colleges of Pharmacy, Cincinnati, OH
Peripheral-Central Interactions in the Control of Energy Balance, Ascona, Switzerland
Iowa Pharmacy Association, Des Moines, IA
German Institute for Human Nutrition, Potsdam, Germany
Institute for Rodent Genetics, Köln, Germany
NIH Symposium on Antipsychotics, Mood Stabilizers and Metabolic Risk, St. Louis, MO
NAASO Symposium on Pharmacotherapy for Obesity, Vancouver, BC
Sex Differences in Obesity and Cardiovascular Disease, Washington, D.C.
Diabetes, Endocrinology Research Center, Univ of Pennsylvania, Philadelphia, PA
Endocrine Division, Indiana University School of Medicine, Indianapolis, IN

2006:

Keystone Symposia, Santa Fe, NM
Division of Endocrinology, Pittsburgh, PA
Oregon Regional Primate Center, Portland, OR
Department of Physiology, University of Michigan, Ann Arbor, MI
Frontiers in Physiology Lecture, Department of Physiology, Univ of Toronto, Toronto, CA
Edison Biotechnology Institute, Athens, OH
134th Alfred Nobel Symposium: The Adipocyte: A Multifunctional Cell, Göteborg, Sweden
Bioengineering Solutions to Obesity, Joint Conference from NIH and NSF, Arlington, VA
Workshop on Drug Addiction and Obesity, Sponsored by NIDA, Bethesda, MD
American Diabetes Association Annual Meeting (two separate talks), Washington, DC
CNS: The Pathway to Weight Management Control, Sydney, Australia
Plenary lecture, International Congress of Obesity, Sydney, Australia
Friedman Symposium, ADA, New York, NY

Metabolism and Cancer, Brunnen, Switzerland
School of Medicine Seminar Series, University of Utah, Salt Lake City, UT
Cancer and Obesity Symposium, Case Western Reserve, Cleveland, OH
International Meeting on Animal Models of Bariatric Surgery, Boston, MA
Grass Traveling Scientist Lecture, Indianapolis, IN
Albany Molecular Research Inc, Albany, NY

2007:

Keystone Symposia, Joint Obesity and Diabetes, Keystone, CO
Diabetes Surgery Summit, Rome, Italy
M.D. Anderson, Houston, TX
Surgical Grand Rounds, Upstate Medical School, Syracuse, NY
Endocrine Grand Rounds, Beth-Israel Deaconess, Boston, MA
International Food Technology Annual Meeting, Chicago IL
American Chemical Society Annual Meeting, Boston, MA
Medicine Grand Rounds, University of Cincinnati, Cincinnati, OH
Department of Pediatrics, University of Southern California, Los Angeles, CA
Burnham Institute for Medical Research, La Jolla, CA
Diabetes Research Seminar, Columbia University, New York, NY
Diabetes Center, Yale University, New Haven, CT
Childhood Obesity Summit, AHA, Washington D.C.

2008:

Department of Molecular Physiology, Penn State University (Hershey, PA)
Keystone Symposia, Neuronal Mechanisms of Controlling Food Intake (Banff, CA)
Department of Pharmacology, UT-Southwestern (Dallas, TX)
Department of Physiology, University of Kentucky (Lexington, KY)
Keystone Symposia, Islet Biology (Snowbird, UT)
Molecular and Medical Pharmacology, UCLA (Los Angeles, CA)
Obesity Research Day, Cleveland Clinic (Cleveland, OH)
Japanese Association for the Study of Obesity (Oita, Japan)
American Diabetes Association (San Francisco, CA)
Department of Physiology, University of Southern California (Los Angeles, CA)
Neuroscience Symposium, University of Illinois (Champaign, IL)
Japanese Association for the Study of Obesity (Oita, Japan)
Diabetes Research Summit (Ohio University, Athens, OH)
Obesity Surgery Summit, Cleveland Clinic (Cleveland, OH)
Department of Biochemistry, Lerner Research Institute (Cleveland, OH)
Diabetes & Metabolic Research Center, University of Oklahoma Health Sciences Center

2009:

Organizer, Keystone Conference, Novel Aspects of Body Weight Regulation (Banff, Canada)
Endocrine Grand Rounds, Northwestern University (Chicago, IL)
Plenary session, 3rd International Congress on Prediabetes (Nice, France)
Nutrient Sensing, New York Academy of Sciences (New York, NY)

20th World Diabetes Congress (Montreal, Canada)
Magendie Institute (Bordeaux, France)
Royal Netherlands Academy of Arts and Sciences (Amsterdam, The Netherlands)
National Institute of Neurological Disorders and Stroke (Bethesda, MD)
Endocrine Society Annual Meeting (Washington, DC)
American Peptide Society (Bloomington, IN)
Lilly Lecture for the American Diabetes Association (New Orleans, LA)
American Peptide Symposium (Bloomington, IN)
American Society for Bariatric and Metabolic Surgery (Dallas, TX)
Indiana University-Purdue University Indianapolis (Indianapolis, IN)
NIH Conference on Glycemic control and the CNS (Bethesda, MD)
Grinnell College Department of Psychology (Grinnell, IA)
University of Iowa, Department of Medicine (Iowa City, IA)
IDF World Diabetes Congress (Montreal, Canada)
Endocrine Grand Rounds, University of Maryland, (Baltimore, MD)
Diabetes Dialogues (Paris, France)

2010

Keystone Meeting on Obesity (Keystone, CO)
NCI Meeting on Metabolism and Cancer (San Francisco, CA)
Medicine Grand Rounds, New York University (New York, NY)
Children's Hospital of Pittsburgh Molecular Medicine Research Seminar (Pittsburgh, PA)
Deuel Conference on Lipids (Orange County, CA)
Functional Food Conference 2010 (Cork, Ireland)
Endocrine Grand Rounds, Cleveland Clinic (Cleveland, OH)
Endocrine Grand Rounds, Washington University (St. Louis, OH)
1st Sao Paulo School of Translational Science (Sao Paulo, Brazil)
Presidential Lecture, Simpósio Internacional de Neuroendocrinologia (Sao Paulo, Brazil)
11th International Conference on Long-Term Complications of Treatment of Children
and Adolescents for Cancer (Williamsburg, VA)
Copenhagen Obesity Symposium (Copenhagen, Denmark)
European Association for the Study of Diabetes (Stockholm, Sweden)
Department of Zoology, Miami University (Oxford, OH)
Nobel Forum, Molecular and Physiological Aspects of Diabetes, (Stockholm, Sweden)
Michigan Metabolism and Obesity Center (Ann Arbor, MI)
International Congress on Insulin Resistance (Los Angeles, CA)
Wu Lectureship, Institute of Human Nutrition, Columbia University (New York, NY)
Neurobiology of Disease Workshop (San Diego, CA)
Mechanisms of Bariatric Surgery, (Baton Rouge, LA)

2011

Keystone Symposium on Neuronal Control of Appetite and Metabolism (Keystone, CO)
American Society of Nutrition (San Francisco, CA)
World Congress on Interventional Diabetes (New York, NY)
Pfizer Visiting Professorship, University of California San Francisco (San Francisco, CA)
CHUM Research Center, University of Montreal (Montreal, Quebec)

Frontiers in Human Disease Symposium (New York, NY)
Heart & Stroke/Richard Lewar Centre, University of Toronto (Toronto, CA)
American Oil Chemists Society Annual Meeting (Cincinnati, OH)
NF- κ B, Cancer, Obesity and Inflammation Symposium (Cincinnati, OH)
Diabetes Dialogue 2011 (Barcelona, Spain)
New York Lipid Club Symposia, Rockefeller University (New York, NY)
Diabetes Grand Rounds, Mt. Sinai School of Medicine (New York, NY)

2012

Diabetes Symposium, Helmholtz Centre (Munich, Germany)
Boshell Diabetes Day at Auburn University (Auburn, AL)
CNS regulation of body weight, Experimental Biology (San Diego, CA)
Physiology in Focus, Experimental Biology (San Diego, CA)
Royal Australasian Congress of Surgeons (Kuala Lumpur, Malaysia)
Annual Meeting of the American Diabetes Association (Philadelphia, PA)
Canadian Student Obesity Network Meeting (Edmonton, Calgary)
American Society of Bariatric and Metabolic Surgery Annual Meeting (San Diego, CA)
The 9th Annual Scientific Meeting of Insulin Resistance and Metabolic Syndrome Study Group (Tokyo, Japan)
Internal Medicine Grand Rounds, University of Cincinnati (Cincinnati, OH)
EMBO/EMBL Diabetes/Obesity Meeting (Heidelberg, Germany)
Annual Meeting of The Obesity Society (San Antonio, TX)
Obesity Summit, Cleveland Clinic (Cleveland, OH)
Department of Physiology, University of Mississippi Medical Center (Jackson, MS)
Minnesota Obesity Center (Minneapolis, MN)
Neuropsychiatric Research Institute (Fargo, ND)
Committee on Molecular Metabolism and Nutrition, University of Chicago (Chicago, IL)
Diabetes Center Conference, Albert Einstein University (New York, NY)
Milton Nichols Memorial Lecture, University of Wisconsin (Madison, WI)
Endocrine Grand Rounds, University of Wisconsin (Madison, WI)

2013

Obesity-diabetes lecture series, Sanford-Burnham (Orlando FL)
Davis Heart and Lung Research Institute, Ohio State University (Columbus, OH)
Keystone Symposia on CNS aspects of Obesity (Banff, CA)
Endocrine Grand Rounds, University of Pennsylvania (Philadelphia, PA)
Endocrine Grand Rounds, Johns Hopkins University (Baltimore, MD)
Endocrine Grand Rounds, Temple University (Philadelphia, PA)
American Diabetes Association meeting on weight loss (Washington, DC)
Endocrine Grand Rounds, Wake Forest University (Winston-Salem, NC)
Department of Surgery, University of Michigan (Ann Arbor, MI)
Department of Surgery, Yale University (New Haven, CT)
Presidential Symposium Plenary, ENDO 2013 (San Francisco, CA)
Frontiers in Diabetes Research (Toronto, ON)
International Life Sciences Institute (Washington, DC)
Complications & Revisions of Vertical Sleeve Gastrectomy, Florida Hospital (Orlando,

FL)

Stedman Nutrition Center Seminar, Duke University (Durham, NC)
Surgical Grand Rounds, Indiana University (Indianapolis, IN)
36th Naito Conference (Sapporo Japan)
1st Annual Helmholtz---Nature Medicine Diabetes Conference (Munich, Germany)
Special Lecture in Behavioral Neuroscience, American University (Washington, DC)
Department of Psychology, University of Pennsylvania (Philadelphia, PA)
Endocrine Grand Rounds, University of Pittsburgh (Pittsburgh, PA)
Endocrine Grand Rounds, Baylor College of Medicine (Houston, TX)

2014

Metabolic Syndrome Speaker Series, Mayo Clinic (Phoenix, AZ)
Molecular Genetics, University of Cincinnati (Cincinnati, OH)
Nutrition Seminar, University of Texas Southwestern (Dallas, TX)
Nutrition Graduate Program, Virginia Tech University (Blacksburg, VA)
Institute for Diabetes and Obesity, Helmholtz Center (Munich, Germany)
Winthrop University Hospital (Mineola, NY)
Weizmann Institute of Science (Rehovot, Israel)
International Congress of Obesity (Kuala Lumpur, Malaysia)
Israel Endocrine Society (Tel Aviv, Israel)
Invited Lecture, Digestive Disease Week (Chicago, IL)
Department of Pharmacology, Korea University (Seoul, South Korea)
Department of Medicine, Asan Medical Center (Seoul, South Korea)
Asia-Pacific Diabetes Obesity Study Group (Seoul, South Korea)
Korean Endocrine Society (Seoul, South Korea)
International Congress of Endocrinology (Chicago, IL)
Japanese Society for the Treatment of Obesity (Otsu-City, Japan)
Diabetes Research Center Retreat, University of Washington (Seattle, WA)
European Association for the Study of Diabetes Oxford Workshop (Oxford, UK)
International Federation for Surgery for Obesity (Montreal, Quebec, CA)
Endocrinology Retreat, University of Michigan (Ann Arbor, MI)
Michigan Bariatric Society (Detroit, MI)
Mid Atlantic NORC/Geisinger Research Symposium (Danville, PA)
2nd Annual Helmholtz---Nature Medicine Diabetes Conference (Munich, Germany)
Surgical Grand Rounds, University of Zurich (Zurich, Germany)
Endocrine Grand Rounds, Brigham and Women's Hospital (Boston, MA)
Biomedical Research Institute, Brigham and Women's Hospital (Boston, MA)
Gill Molecular Neuroscience Symposium (Bloomington, IN)
American Society of Reproductive Medicine (Honolulu, HI)
Qatar Foundation Annual Research Conference (Doha, Qatar)

2015

APS Presidential Symposium, Experimental Biology (Boston, MA)
CNS Obesity Keystone Symposia (Snowbird, UT)
American Federation for Medical Research (Chicago, IL)
Diabetes Day, Medical College of Wisconsin (Milwaukee, WI)

Lunenfeld Diabetes Research Conference (Toronto, ON)
American Diabetes Association (Boston, MA)
Seminars in Metabolism, University of Utah (Salt Lake City, UT)
Obesity Action Coalition Annual Meeting (San Antonio, TX)

Patents

- Novel Role for GLP-1 to Mediate Responses to Disparate Stressors (PCT# 20040116331).
Inventors: Seeley, R.J., Kinzig, K.P. and D'Alessio, D.A.
- Overfeeding Methods for Determining Therapeutic Strategies and/or Targets for Obesity Therapeutics (PCT #20050220710). Inventor: Seeley, R.J.
- Method of using GM-CSF signaling pathways to regulate food intake and body weight (PCT# 20050089508). Inventors: Reed, J.A., Smith, K.B., Clegg, D.J., and Seeley, R.J.
- Enteroendocrine manipulation for metabolic effect (WO 2011150033 A1). Inventors:
Gregory Bakos, Edward G. Chekan, Denzel Z. Herrera-Davis, Jason L. Harris, Gary L. Long, Rudolph H. Nobis, Mark S. Ortiz, Mark D. Overmyer, David N. Plescia, Randy J. Seeley, William B. Weisenburgh, Tamara S. Vetro Widenhouse, Mark S. Zeiner, Andrew M. Zwolinski,
- Endoluminal sleeve device and methods for deploying an endoluminal sleeve in the gi tract (WO 2013087096 A1). Inventors: Mark Steven Ortiz, José M. BERGER, Randy J. Seeley, James W. Voegelé, Michael A. Murray, Michele D'arcangelo, Jason Harris, Alessandro Pastorelli, Carrie BENZINGER, David Cagle,
- Systems and Methods For Regulating Metabolic Hormone Producing Tissue (US 20110295337 A1).
Inventors: Thomas E. Albrecht, Jeffrey L. Aldridge, Edward G. Chekan, Sean P. Conlon, Michael S. Cropper, Daniel F. Dlugos, Jr., Jason L. Harris, Christopher J. Hess, Kevin L. Houser, John V. Hunt, Gary L. Long, Prasanna Malaviya, Amy L. Marcotte, Rudolph H. Nobis, Mark S. Ortiz, Mark D. Overmyer, Alessandro Pastorelli, David N. Plescia, Galen C. Robertson, Randy J. Seeley, Frederick E. Shelton, IV, Michael J. Stokes, Foster B. Stulen, Richard W. Timm, James W. Voegelé, B. Weisenburgh II William, James A. Woodard, Jr., David C. Yates, Andrew M. Zwolinski,

Peer-Reviewed Publications

1. Seeley, R.J. and Brozoski, T.J. (1989). Measurement and quantification of stereotypy in freely behaving subjects: An information analysis. *Behavioral Research Methods, Instruments and Computers*, 21, 271-274.
2. Seeley, R.J., Kaplan, J.M. and Grill, H.J. (1993). Effects of interrupting an intraoral meal on meal size and meal duration in rats. *Appetite*, 20, 13-20. PMID: 8452375
3. Kaplan, J.M., Seeley, R.J. and Grill, H.J. (1993). Daily intake regulation in intact and chronic decerebrate rats. *Behavioral Neuroscience*, 107, 876-881. PMID: 8280397

4. Galaverna, O.G., Seeley, R.J., Berridge, K.C., Schulkin, J., Grill, H.J. and Epstein, A.N. (1993). Lesions of the central nucleus of the amygdala I: Effects on taste reactivity, taste aversion learning and sodium appetite. *Behavioral Brain Research*, 59, 11-17. PMID: 8155277
5. Seeley, R.J., Galaverna, O.G., Schulkin, J., Epstein, A.N. and Grill, H.J. (1993) Lesions of the central nucleus of the amygdala II: Effects on intraoral NaCl intake. *Behavioral Brain Research*, 59, 19-25. PMID: 8155286
6. Seeley, R.J., Grill, H.J. and Kaplan, J.M. (1994). Neurological dissociation of gastrointestinal and metabolic contributions to meal size control. *Behavioral Neuroscience*, 108, 347-352. PMID: 8037879
7. Kaplan, J.M., Seeley, R.J. and Grill, H.J. (1994). A behavioral probe for the growth of ingestive potential during the intermeal interval in the rat. *Behavioral Neuroscience*, 108, 353-361. PMID: 8037880
8. Park, C.R., Seeley, R.J., Bentham, L., Friedman, M.I. and Woods, S.C. (1995). Whole body energy expenditure and fuel oxidation after 2,5-anhydro-D-mannitol administration. *American Journal of Physiology*, 268, R299-R302. PMID: 7840335
9. Seeley, R.J., Payne, C.J. and Woods, S.C. (1995). Neuropeptide Y fails to increase intraoral intake in rats. *American Journal of Physiology*, 268, R423-R427. PMID: 7864237
10. Grill, H.J., Friedman, M.I., Norgren, R. Scalera, G. and Seeley, R.J. (1995). Parabrachial nucleus lesions impair feeding response elicited by 2,5-anhydro-D-mannitol. *American Journal of Physiology*, 268, R676-682.
11. Seeley, R.J., Kaplan, J.M. and Grill, H.J. (1995). Effect of occluding the pylorus on intraoral intake: a test of the gastric hypothesis of meal termination. *Physiology & Behavior*, 58, 245-249. PMID: 7568426
12. Chavez, M, Seeley, R.J. and Woods, S.C. (1995). A comparison between effects of intraventricular insulin and intraperitoneal LiCl on three measures sensitive to emetic agents. *Behavioral Neuroscience*, 109, 547-550. PMID: 7662164
13. Richardson, R.D., Boswell, T., Raffety, B., Seeley, R.J., Wingfield, J.C. and Woods, S.C. (1995). NPY increases food intake in white-crowned sparrows: Effect in short and long photoperiods. *American Journal of Physiology*, 268, R1418-R1422. PMID: 7611518
14. Figlewicz, D.F., Sipols, A.J., Seeley, R.J., Chavez, M., Woods, S.C. and Porte Jr, D. (1995). Intraventricular insulin enhances the meal suppressive efficacy of intraventricular cholecystokinin octapeptide in the baboon. *Behavioral Neuroscience*, 109, 567-569. PMID: 7662167
15. Schafe, G.E., Seeley, R.J. and Bernstein I.L. (1995). Forebrain contributions to the induction of a cellular correlate of a conditioned taste aversion in the nucleus of the solitary tract. *Journal of Neuroscience*, 15, 6789-6796. PMID: 7472437

16. Seeley, R.J., Benoit, S.C. and Davidson, T.L., (1995). Discriminative cues produced by NPY do not generalize to the interoceptive cues produced by food deprivation. *Physiology & Behavior*, 58, 1237-1241. PMID: 8623026
17. Boswell, T., Richardson, R.D. Seeley, R.J., Ramenofsky, M., Wingfield, J.C., Friedman, M.I. and Woods, S.C. (1995). Regulation of food intake by metabolic fuels in white-crowned sparrows. *American Journal of Physiology*, 269, R1462-R1468. PMID: 8594950
18. Woods, S.C., Chavez, M., Park, C.R., Riedy, C., Kaiyala, K., Richardson, R.D., Figlewicz, D.P., Schwartz, M.W., Porte, D. and Seeley, R.J. (1996). The evaluation of insulin as a metabolic signal influencing behavior via the brain. *Neuroscience and Biobehavioral Reviews*, 20, 139-144. PMID: 8622820
19. Schwartz, M.W., Baskin, D.G., Bukowski, T.R., Kuijper, J.L., Foster, D., Lasser, G., Prunkard, D.E., Porte Jr., D., Woods, S.C., Seeley, R.J. and Weigle, D.S. (1996). Specificity of leptin action on elevated blood glucose levels and hypothalamic neuropeptide Y gene expression in ob/ob mice. *Diabetes*, 45, 531-535. PMID: 8603777
20. Figlewicz, D.P., Schwartz, M.W., Seeley, R.J., Chavez, M., Baskin, D., Woods, S.C., and Porte, D. Jr. (1996). Endocrine regulation of food intake and body weight. *Journal of Laboratory and Clinical Medicine*, 127, 328-332. PMID: 8656034
21. Schwartz, M.W., Seeley, R.J., Campfield, L.A., Burn, P. and Baskin, D.G. (1996). Identification of targets of leptin action in rat hypothalamus. *Journal of Clinical Investigation*, 98, 1101-1106. PMID: 8787671
22. Park, C.R., Benthem, L., Seeley, R.J., Friedman, M.I, Wilkinson, C.W., and Woods, S.C. (1996). A comparison of the effects of food deprivation and of 2,5-anhydro-D-mannitol on metabolism and ingestion. *American Journal of Physiology*, 270, R1250-R1256. PMID: 8764291
23. Sipols, A.J., Figlewicz, D.P., Seeley, R.J., Chavez, M., Woods, S.C. and Porte, D. Jr. (1996). Intraventricular neuropeptide Y does not stimulate food intake in the baboon. *Physiology & Behavior*, 60, 717-719. PMID: 8873242
24. Seeley, R.J., Matson, C.A., Chavez, M., Woods, S.C., Dallman, M.F., and Schwartz, M.W. (1996). Behavioral, endocrine and hypothalamic responses to involuntary overfeeding. *American Journal of Physiology*, 271, R819-R823. PMID: 8853408
25. Seeley, R.J., van Dijk, G., Campfield, L.A., Smith, F.J., Nelligan, J.A., Bell, S.M., Baskin, D.G., Woods, S.C. and Schwartz, M.W. (1996). Intraventricular leptin reduces food intake and body weight of lean rats but not obese Zucker rats. *Hormone and Metabolic Research*, 28, 664-668. PMID: 9013738
26. van Dijk, G., Thiele, T.E., Donahey, J.C.K., Campfield, L.A., Smith, F.J., Burn, P., Bernstein, I.L., Woods, S.C. and Seeley R.J. (1996). Central infusions of leptin and GLP-1 (7-36) amide differentially stimulate c-Fos-like immunoreactivity in the rat brain. *American Journal of Physiology*, 271, R1096-R1100. PMID: 8898006

27. Seeley, R.J., Hawkins, M., Ramsay, D.S., Wilkinson, C.W. and Woods, S.C. (1996). Learned tolerance to the corticosterone-increasing action of ethanol in rats. *Pharmacology, Biochemistry & Behavior*, 55, 269-273. PMID: 8951964
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31. Schwartz, M.W. and Seeley, R.J. (1997) The new biology of body weight regulation. *Journal of the American Dietetic Association*, 97, 54-58. PMID: 8990418
32. Woods, S.C., Seeley, R.J. and Schwartz, M.W. (1997). Leptin as an adiposity signal. *Endocrinology and Metabolism*, 4, 77-79.
33. Schwartz, M.W. and Seeley, R.J. (1997). Neuroendocrine responses to starvation and weight loss. *New England Journal of Medicine*, 336, 1802-1811. PMID: 9187072
34. Seeley, R.J. and Schwartz, M.W. (1997). The regulation of energy balance: Peripheral hormonal signals and hypothalamic neuropeptides. *Current Directions in Psychological Science*, 6, 39-44.
35. Seeley, R.J., Yagaloff, K.A., Fisher, S.L., Burn, P., Thiele, T.E., van Dijk, G., Baskin, D.G. and Schwartz, M.W. (1997). Melanocortin receptors in leptin effects. *Nature*, 390, 349. PMID: 9389472
36. van Dijk, G., Donahey, J.C.K., Thiele, T.E., Scheurink, A.J. Steffens, A.B., Wilkinson, C.W., Tenenbaum, R., Campfield, L.A., Burn, P., Seeley, R.J. and Woods, S.C. (1997). Central leptin stimulates corticosterone secretion at the onset of the dark phase. *Diabetes*, 46, 1911-1914. PMID: 9356047
37. Schwartz, M.W., Seeley, R.J. and Woods, S.C. (1997). Wasting illness as a disorder of body weight regulation. *Proceedings of the Nutrition Society*, 56, 785-791. PMID: 9264129
38. Schwartz, M.W., Seeley, R.J., Woods, S.C., Weigle, D.S., Campfield, L.A., Burn, P., and Baskin, D.G. (1997). Leptin increases hypothalamic pro-opiomelanocortin (POMC) mRNA expression in the rostral arcuate nucleus. *Diabetes*, 46, 2119-2123. PMID: 9392508
39. Chavez, M., Seeley, R.J., Green, P.K., Wilkinson, C.W., Schwartz, M.W. and Woods, S.C. (1997). Adrenalectomy increases sensitivity to central insulin. *Physiology & Behavior*, 62, 631-634. PMID: 9272675

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41. Donahey, J.C.K., van Dijk, G., Woods, S.C. and Seeley, R.J. (1998). Intraventricular GLP-1 reduces short- but not long-term food intake or body weight in lean and obese rats. *Brain Research*, 779, 75-83. PMID: 9473596
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43. Woods, S.C., Seeley, R.J. Porte, D. and Schwartz, M.W. (1998). Signals that regulate food intake and energy homeostasis. *Science*, 280, 1378-1383. PMID: 9603721
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46. Chavez, M., Seeley, R.J., Havel, P., Friedman, M.I., Matson, C.A., Woods, S.C., and Schwartz, M.W. (1998). Effect of a high-fat diet on food intake and hypothalamic neuropeptide gene expression in streptozotocin diabetes. *Journal of Clinical Investigations*, 102, 340-346. PMID: 9664075
47. Seeley, R.J. (1998). The physiology of motivation revisited. *Appetite*, 30, 341. PMID: 9632463
48. Woods, S.C. and Seeley, R.J. (1998). Dietary interventions in noninsulin-dependent diabetes mellitus: New approaches. *Nutrition*, 14, 527-528. PMID: 9646296
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