

Barbara J. Rolls, Ph.D.

Curriculum Vitae

Professor and Guthrie Chair in Nutritional Sciences
Director, Laboratory for the Study of Human Ingestive Behavior
The Pennsylvania State University
226 Henderson Building
University Park, Pennsylvania 16802-6501
Telephone: (814) 863-8572
Fax: (814) 863-8574
E-mail: bjr4@psu.edu

Education

University of Pennsylvania; B.A. (cum Laude) in Biology 1966
University of Oxford, England; M.A. 1970
University of Cambridge; Ph.D. in Physiology
1970

Appointments at The University of Oxford

Mary Somerville Research Fellow, Somerville College 1969-1972
and Department of Experimental Psychology
I.B.M. Research Fellow, Somerville College and Dept. of Experimental Psychology 1972-1974
Senior Research Scientist, Dept. of Experimental Psychology 1974-1984
Junior Research Fellow, Wolfson College 1974-1975
E.P. Abraham Research Fellow, Green College 1979-1982
Fellow in Nutrition, Green College
1983-1984

Appointments at Johns Hopkins University

Associate Professor, Department of Psychiatry and Behavioral Sciences, 1984-1991
School of Medicine
Director, Laboratory for the Study of Human Ingestive Behavior 1984-1992
Joint Appointment, Department of Mental Hygiene, School of Hygiene and
Public Health 1985-1992
Professor of Psychiatry
1991-1992

Appointments at The Pennsylvania State University

Jean Phillips Shibley Professor of Biobehavioral Health 1992-1994
Director, Laboratory for the Study of Human Ingestive Behavior 1992-present
Helen A. Guthrie Chair in Nutrition 1994-present
Professor of Nutritional Sciences 1994-present
Professor of Biobehavioral Health 1994-present
Faculty Member, Neural and Behavioral Sciences, Penn State Hershey College of Medicine 1996-present
Faculty Member, MD/PhD Program, Penn State Hershey College of Medicine 2008-2014

Awards and Honors

Scholar, University of Pennsylvania	1962-1966
Thouron Scholar, University of Cambridge	1966-1969
The Mary Somerville Research Fellow, University of Oxford	1969-1972
IBM Research Fellow (first woman to hold this position), University of Oxford	1972-1974
The Rolleston Memorial Prize for original research, Universities of Oxford and Cambridge	1974
Junior Research Fellow, Wolfson College, University of Oxford	1974-1975
The E.P. Abraham Research Fellowship, Green College, Oxford	1979-1982
The Fellow in Nutrition at Green College, University of Oxford	1983-1984
Hoffman-LaRoche Lecturer in Nutrition to Canada	1994
Member, National Diabetes and Digestive and Kidney Diseases (NIDDK) Advisory Council of the National Institutes of Health	1994-1998
Member, National Task Force on the Prevention and Treatment of Obesity, NIDDK	1994-1999
Member, Executive Committee of the NIDDK Weight-Control Information Network	1994-1999
The American Society for Nutrition Award in Human Nutrition	1995
Lydia J. Roberts Memorial Lecturer, Chicago Nutrition Association and University of Chicago	1995
Pauline Schmitt Russell Distinguished Research Career Award, Penn State	1996
Beaudette-Thompson Lecturer, Dept. Nutritional Sciences, Rutgers University	1997
NIDDK MERIT Award (awarded to the most consistently outstanding grants submitted to NIH)	1997-2010
Who's Who in the World, Who's Who in Medicine and Healthcare, Who's Who in America, Who's Who in Science and Engineering and Who's Who of American Women	1997-present
Trout Visiting Scholar, Michigan State University	2001
International Award for Modern Nutrition	2001
Honorary Member, American Academy of Nutrition and Dietetics	2003
Dean's Lecture, Milton S. Hershey Medical Center College of Medicine	2004
Fellow, American Association for the Advancement of Science	2005
Honorary Member, The Pennsylvania State University Chapter of Golden Key Society	2005
Evan G. and Helen G. Pattishall Outstanding Research Achievement Award, College of Health and Human Development, Penn State University	2006
The Edna W. Park Lecturer, University of Toronto	2007
W.O. Atwater Memorial Lecture, Experimental Biology (sponsored by USDA's Agricultural Research Service and the American Society for Nutrition)	2007
Centrum Award, American Society for Nutrition, Experimental Biology	2008
The David and Rose Himelberg Lecturer, Department of Nutrition, Food, Studies and Public Health, New York University	2010
University Distinguished Lecturer, Kansas State University	2010
Ruby Scott Lecturer, Kansas State University	2010
The George A. Bray Founders Award, The Obesity Society	2010
Fellow, American Society for Nutrition	2011

Nutrition Reviews recognized “Sensory-specific satiety”, Issue 44.3, 1986, as a “Top 20 Cited Article” in the journal’s 70-year history	2012
David Kritchevsky Career Achievement Award in Nutrition, American Society for Nutrition	2013
Hoebel Prize for Creativity, Society for the Study of Ingestive Behavior	2015
Foundation Mentorship Award, American Society for Nutrition	2020

Professional Societies

European Brain and Behaviour Society	1971-1984
The Physiological Society (British)	1974-1986
Association for the Study of Obesity (British)	1978-1984
Executive Committee	1983-1984
The Nutrition Society (British)	1979-present
The American Physiological Society	1984-2006
The American Association for the Advancement of Science	1985-present
The Obesity Society	1985-present
Council	1990-1993
Vice President	1994-1995
President-Elect	1995-1996
President	1996-1997
Chair, President’s Committee	1998
Chair, Nominating Committee	1998
Awards Committee	1999-2000, 2005-2007
Program Committee	2001
Food Industry Outreach Task Force	2009-2014
Past Presidents’ Advisory Group	2014-present
Society for the Study of Ingestive Behavior	1986-present
Board of Directors	1987-1990
President-Elect	1990-1991
President	1991-1992
Fund Raising Committee	1998-2000
Program Committee	1998-2000
American Society for Nutrition	1989-present
Budget and Finance Committee	1994-1996
Nominating Committee	1995
Public Policy Committee	2003-2005
Academy of Nutrition and Dietetics	2003-present

Teaching Experience

I have had extensive experience teaching physiology and physiological psychology in honors degree courses. I have supervised both Psychology and Physiology doctoral candidates at the University of Oxford and have been an examiner for the Doctor of Philosophy Degree at the Universities of Oxford, Cambridge, Nottingham, American, and Johns Hopkins. At Penn State, I have served as a mentor to graduate students in both Biobehavioral Health and Nutrition and have taught the following courses:

Co-taught "Introduction to Biobehavioral Health"	1992, 1993
Taught a course "Eating and Its Disorders"	1994-1998
Conducting a weekly seminar: Readings in Ingestive Behavior	1995-present
Teach graduate course: Critical Review of Nutrition Research	1996-present
Teach graduate course: Obesity: Causes, Consequences, and Treatment	2010-present
Teach graduate course: Childhood Obesity	2011-2018

Editorial Boards

Associate Commentator for the journal <u>Behavioral and Brain Sciences</u>	1979-1984
Member of the Advisory Board of the journal <u>Appetite</u>	1981-1982
Member of the Editorial Advisory Board of the journal <u>Appetite</u>	1981-present
Member of the Editorial Board of the <u>American Journal of Physiology: Regulatory, Integrative and Comparative Physiology</u>	1985-2000
Member of the Editorial Board of <u>Trends in Food Science and Technology</u>	1991-1993
Section Editor for <u>Obesity Research</u>	1992-2003
Member of the Editorial Board of the <u>American Journal of Clinical Nutrition</u>	1992-1998
Contributing Editor for <u>Nutrition Reviews</u>	1993-1997
Charter member of <u>inScight</u> Editorial Board (<u>Science Magazine's</u> Internet News Service)	1998-2002

Principal Investigator on Grants at Penn State:

Awards at Penn State on which Principal Investigator:

National Institute of Diabetes and Digestive and Kidney Diseases, NIH:

R01 DK39177 Factors affecting caloric regulation in human feeding	1993-1997
R01 DK40968 Food selection and regulation in eating disorders	1993-1994
R01 DK50156 Nutrition and obesity: physiological mechanisms	1995-2001
R37 DK39177 MERIT Award-Factors affecting caloric regulation in human feeding	1997-2010
R01 DK59853 Environmental influences on food intake and obesity	2001-2017
R01 DK082580 Strategies to moderate energy intake for the prevention of obesity in children	2008-2020

Campbell Soup Company:

Changes in the relationship between salt taste and food intake with age	1994-1995
Effects of addition of soup to a weight loss diet regimen in free-living subjects	2000-2002

Knoll Pharmaceuticals (formerly Boots):

A double-blind, placebo-controlled, crossover study to evaluate the acute effects of sibutramine 10 mg and 30 mg on feeding behavior in healthy obese women	1994-1995
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International Life Sciences Institute:

Determination of interest and acceptability in the use of reduced fat foods	1995-1996
Replacement of fat with carbohydrate and its effects on satiety	1995-1997
<i>Procter & Gamble:</i>	
The role of the small intestine in satiety	1996-1999
Single dose study of the role of the small intestine in satiety	1998-1999
<i>Robert Wood Johnson Foundation:</i>	
Dietary strategies to moderate children's energy intake	2005-2009
Co-principal investigators: Leann Birch, Barbara Rolls	
<i>Unilever</i>	
Development of clinical trial menus	2006
Awards at <u>Penn State</u> on which Co- Investigator:	
<i>United States Department of Agriculture:</i>	
Dietary assessment of rural older persons	1997-2002
Principal director: Gordon Jensen, Co-director: Barbara Rolls	
National Needs Graduate Fellowship Program	1998-2001
Co-principal directors: Helen Wright, Cheryl Achterburg, Barbara Rolls, John Milner	
Children's responsiveness to increasing food portion sizes	2000-2002
Co-principal directors: Jennifer Fisher, Leann Birch, Barbara Rolls	
Large portion effects on daily intake in young children and their mothers	2002-2004
Principal director: Jennifer Fisher, Co-directors: Leann Birch, Barbara Rolls	
<i>McCormick Spice Institute</i>	
Using herbs and spices to increase children's acceptance and intake of vegetables in school lunches	2015-2017
Principal investigator: Kathleen Keller; Co-investigator: Barbara Rolls	
<i>National Heart, Lung and Blood Institute</i>	
Control systems engineering for optimizing a prenatal weight gain intervention	2014-2019
Principal investigator: Danielle Downs; Co-investigator: Barbara Rolls	
<i>American Institute for Cancer Research</i>	
Dietary energy density, body size and biomarkers related to cancer risk	2011-2013
Principal investigator: Terryl Hartman; Co-investigator: Barbara Rolls	
<i>National Institute of Diabetes and Digestive and Kidney Diseases</i>	
Brain mechanisms of overeating in children	2017-2022
Co-investigators: Kathleen Keller, Barbara Rolls	

Training Fellowship Awards at Penn State:

National Institutes of Health

F32 DK08926 Control of fat intake in obese and lean adults 1993-1996
Sponsor of PI, Victoria Hammer for Post-doctoral Award

Predocutorial Training Grant 1996-2006
Research training in physiological adaptations to stress
Co-principal investigators: Peter Farrell, Barbara Rolls

Building Interdisciplinary Research Careers in Women's Health (BIRCWH) 2007-2015
K12 Program. Principal investigator: Carol Weisman

National Center for Research Resources and the National Center for Advancing Translational Sciences, KL2 Mentored Career Development Award 2012-2014
(through Grant UL1RR033184 and KL2RR033180)
Impact of a Volunteer Peer-led Intervention for Weight Control in Primary Care
Principal investigator: Jennifer Kraschnewski

F32 DK122669-01 Determining protective cognitive and eating behavior phenotypes 2019-2022
for pediatric obesity. Trainee: Alaina Pearce

K01 DK120562 The neural underpinnings of disinhibited eating behavior in adolescents 2020-2024
with and without obesity. Trainee: Allison Shapiro

National Health Research and Development Program, Canada

Food intake in pre-, peri-, and post-menopausal females 1994-1996
Sponsor of Christine Pelkman for Pre-doctoral Award

The Obesity Society

Effects of doubling the portion size of low energy-dense side dishes within a meal 2007-2009
on energy intake in children
Principal investigator: Tanja Kral

United States Department of Agriculture

Childhood Obesity Prevention Training Grant 2011-2018
Co-principal directors: Kathleen Keller, Jennifer Savage-Williams
Principal director: Barbara Rolls

Co-investigator with Dr. M. Hetherington:

The Sugar Bureau (UK):

Implications of repeat exposure for palatability 1994

BBSRC, Diet and Nutrition Research Industry Club 2015-2018
Downsizing: using environmental prompts to understand healthy portion control and appropriate food servings in children, adolescents and caregivers

Consultant on the Following Awards:

National Institute of Diabetes and Digestive and Kidney Diseases, NIH:

Eating behavior after gastric bypass	1997-2002
Principal investigator: L.K. George Hsu	
Obesity/Nutrition Research Center at the University of Pittsburgh	1997-2002
Principal investigator: Rena Wing, Co-core director: Barbara Rolls	
Weight loss maintenance in primary care	2003-2008
Principal investigator: Michael Lowe	
Computer assisted support for underserved diabetics	2003-2005
Principal investigator: James Christian	
Computer assisted support to reduce risks of diabetes	2004-2005
Principal investigator: James Christian	
Intake promoting effects of large portions in children	2005-2010
Principal investigator: Jennifer Fisher	
A novel approach for weight loss in obese patients with BED	2007-2010
Principal investigator: Robin Masheb	

National Heart, Lung and Blood Institute, NIH:

A cafeteria-based approach to weight gain prevention	2002-2007
Principal investigator: Michael Lowe	

Unilever Research & Development External Research: 2007-2008

Energy density, adoption of healthy lifestyle behaviors and metabolic disease in a population-based cohort	
Principal investigator: Paula Quatromoni	

McCormick Science Institute

Effect of chronic consumption of popular spices on risk factors for CVD, inflammation and immune function	2016-2018
Principal investigator: Penny Kris-Etherton	

Publications

1. Books/Monographs

Rolls, B.J. and Rolls, E.T. (1982). Thirst. Cambridge University Press, Cambridge. (Also published in Spanish and Russian).

Anderson, G.H., Rolls, B.J., and Steffen, D.G., Eds. (1997). Nutritional Implications of Macronutrient Substitutes. Annals of New York Academy of Sciences, Volume 819, New York.

Rolls, B.J. and Hill, J. (1998). Carbohydrates and Weight Management. ILSI Press, Washington, D.C.

Rolls, B. and Barnett, R.A. (2000). Volumetrics: Feel Full on Fewer Calories. HarperCollins Publishers, New York.

Rolls, B. and Barnett, R.A. (2000). The Volumetrics Weight-Control Plan: Feel Full on Fewer Calories. Quill Publishers, New York.

Rolls, B. and Barnett, R.A. (2003). The Volumetrics Weight-Control Plan: Feel Full on Fewer Calories (paperback edition). HarperTorch Publishers, New York.

Rolls, B. (2005). The Volumetrics Eating Plan. HarperCollins Publishers, New York.

Rolls, B. (2007). The Volumetrics Eating Plan (paperback edition). Harper Publishers, New York.

Rolls, B. (2008). Mangez plus pour maigrir, Traduction du best-seller The Volumetrics Eating Plan, Les Éditions de l'Homme, Montreal, Quebec.

Rolls, B. (2010). A Dieta Volumétrica (Perca Peso Comendo Mais), Tradução de: The Volumetrics Weight Control Plan, Rio de Janeiro, Brazil.

Rolls, B.J. (2012). The Ultimate Volumetrics Diet. William Morrow, New York, New York.

Rolls, B.J., and Drewnowski, A. (2012). Obesity Treatment and Prevention: New Directions. Nestlé Nutrition Institute Workshop Series, Volume 73. S. Karger AG.

Original Research Articles (Selected from those after 1980, all refereed prior to publication)

Rolls, B.J., Wood, R.J., Rolls, E.T., Lind, H., Lind, W. and Ledingham, J.G.G. (1980). Thirst following water deprivation in humans. American Journal of Physiology, 239: R476-R482.

Rolls, B.J., Rowe, E.A., Rolls, E.T., Kingston, B., Megson, A. and Gunary, R. (1981). Variety in a meal enhances food intake in man. Physiology and Behavior, 26:215-221.

- Rolls, B.J., Rolls, E.T., Rowe, E.A. and Sweeney, K. (1981). Sensory specific satiety in man. Physiology and Behavior, 27:137-142.
- Rolls, B.J., Rowe, E.A. and Rolls, E.T. (1982). How the sensory properties of foods affect human feeding behavior. Physiology and Behavior, 29:409-417.
- Rolls, E.T., Rolls, B.J. and Rowe, E.A. (1983). Sensory-specific and motivation-specific satiety for the sight and taste of food and water in man. Physiology and Behavior, 30:185-192.
- Rolls, B.J., van Duijvenvoorde, P.M. and Rolls, E.T. (1984). Pleasantness changes and food intake in a varied four course meal. Appetite, 5:337-348.
- Phillips, P.A., Rolls, B.J., Ledingham, J.G.G. and Morton, J.J. (1984). Body fluid changes, thirst and drinking in man during free access to water. Physiology and Behavior, 33:357-363.
- Phillips, P.A., Rolls, B.J., Ledingham, J.G.G., Forsling, M.L., Morton, J.J., Crowe, M.J. and Wollner, L. (1984). Reduced thirst following water deprivation in healthy elderly men. New England Journal of Medicine, 311:753-759 (also included in The Yearbook of Medicine, 1985).
- Phillips, P.A., Rolls, B.J., Ledingham, J.G.G., Morton, J.J. and Forsling, M.L. (1985). Angiotensin II-induced thirst and vasopressin release in man. Clinical Science, 68:669-674.
- Phillips, P.A., Rolls, B.J., Ledingham, J.G.G., Forsling, M.L. and Morton, J.J. (1985). Osmotic thirst and vasopressin release in man: a double-blind cross-over study. American Journal of Physiology, 248:R645-R650.
- Crowe, M.J., Forsling, M.L., Rolls, B.J., Phillips, P.A., Ledingham, J.G.G. and Smith, R.F. (1987). Altered water excretion in healthy elderly men. Age and Ageing, 16:285-293.
- Rolls, B.J., Gnizak, N., Summerfelt, A. and Laster, L.J. (1988). Food intake in dieters and non-dieters after a liquid meal containing medium-chain triglycerides. American Journal of Clinical Nutrition, 48:66-71.
- Rolls, B.J., Hetherington, M. and Burley, V.J. (1988). The specificity of satiety: the influence of foods of different macronutrient content on the development of satiety. Physiology and Behavior, 43:145-153.
- Rolls, B.J., Hetherington, M. and Burley, V.J. (1988). Sensory stimulation and energy density in the development of satiety. Physiology and Behavior, 44:727-733.
- Hetherington, M., Rolls, B.J. and Burley, V.J. (1989). The time course of sensory-specific satiety. Appetite, 12:57-68.
- Rolls, B.J., Laster, L.J. and Summerfelt, A. (1989). Hunger and food intake following consumption of low-calorie foods. Appetite, 13:115-127.

- DeGeorge, D., Gray, J.J., Fetting, J.H. and Rolls, B.J. (1990). Weight gain in patients with breast cancer receiving adjuvant treatment as a function of restraint, disinhibition, and hunger. Oncology Nursing Forum, 17: S23-S30.
- Rolls, B.J., Kim, S. and Fedoroff, I.C. (1990). Effects of drinks sweetened with sucrose or aspartame on hunger, thirst and food intake in men. Physiology and Behavior, 48:19-26.
- Rolls, B.J., Fedoroff, I.C., Guthrie, J.F. and Laster, L.J. (1990). Foods with different satiating effects in humans. Appetite, 15:115-126.
- Foltin, R.W., Fischman, M.W., Moran, T.H., Rolls, B.J. and Kelly, T.H. (1990). Caloric compensation for lunches varying in fat and carbohydrate content by humans in a residential laboratory. American Journal of Clinical Nutrition, 52:969-980.
- Rolls, B.J., Fedoroff, I.C., Guthrie, J. and Laster, L.J. (1990). Effects of temperature and mode of presentation of juice on hunger, thirst, and food intake in men and women. Appetite, 15:199-208.
- Rolls, B.J., Laster, L.J. and Summerfelt, A. (1991). Meal order reversal: effects of eating a sweet course first or last. Appetite, 16:141-148.
- Rolls, B.J., Kim, S., McNelis, A.L., Fischman, M.W., Foltin, R.W. and Moran, T.H. (1991). Time course of the effects of preloads high in fat or carbohydrate on food intake and ratings of hunger in humans. American Journal of Physiology – Regulatory, Integrative and Comparative Physiology, 260: R756-R763.
- Hetherington, M.M., Vervaet, N., Blass, E. and Rolls, B.J. (1991). Failure of naltrexone to affect the pleasantness or intake of food. Pharmacology, Biochemistry and Behavior, 40:185-190.
- Hetherington, M.M. and Rolls, B.J. (1991). Eating behavior in eating disorders: response to preloads. Physiology and Behavior, 50:101-108.
- Rolls, B.J. and McDermott, T.M. (1991). Effects of age on sensory-specific satiety. American Journal of Clinical Nutrition, 54:988-996.
- Foltin, R.W., Rolls, B.J., Moran, T.H., Kelly, T.H., McNelis, A.L. and Fischman, M.W. (1992). Caloric, but not macronutrient, compensation by humans for required eating occasions with meals and snack varying in fat and carbohydrate. American Journal of Clinical Nutrition, 55:331-342.
- Rolls, B.J., Andersen, A.E., Moran, T.H., McNelis, A.L., Baier, H.C. and Fedoroff, I.C. (1992). Food intake, hunger and satiety after preloads in women with eating disorders. American Journal of Clinical Nutrition, 55:1093-1103.
- Rolls, B.J., Pirraglia, P.A., Jones, M.B. and Peters, J.C. (1992). Effects of olestra, a non-caloric fat substitute, on daily energy and fat intake in lean men. American Journal of Clinical Nutrition, 56:84-92.

- Kelly, T.H., Foltin, R.W., Rolls, B.J., and Fischman, M.W. (1994). Effect of meal macronutrient and energy content on human performance. Appetite, 23:97-112.
- Rolls, B.J., Kim-Harris, S., Fischman, M.W., Foltin, R.W., Moran, T.H. and Stoner, S.A. (1994). Satiety after preloads with different levels of fat and carbohydrate: implications for obesity. American Journal of Clinical Nutrition, 60:476-487.
- Fedoroff, I.C., Stoner, S.A., Andersen, A.E., Doty, R.L., and Rolls, B.J. (1995). Olfactory dysfunction in anorexia and bulimia nervosa. International Journal of Eating Disorders, 18:71-77.
- Shide, D.J., Caballero, B., Reidelberger, R. and Rolls, B.J. (1995). Accurate energy compensation for intragastric and oral nutrients in lean males. American Journal of Clinical Nutrition, 61:754-764.
- Shide, D.J. and Rolls, B.J. (1995). Information about the fat content of preloads influences energy intake in healthy women. Journal of the American Dietetic Association, 95:993-998.
- Rolls, B.J., Dimeo, K.A. and Shide, D.J. (1995). Age-related impairments in the regulation of food intake. American Journal of Clinical Nutrition, 62:923-931.
- Stoner, S.A., Fedoroff, J.C., Andersen, A.E. and Rolls, B.J. (1996). Food preferences and desire to eat in anorexia and bulimia nervosa. International Journal of Eating Disorders, 19:13-22.
- Drewnowski, A., Henderson, S.A., Driscoll, A. and Rolls, B.J. (1996). Salt taste perceptions and preferences are unrelated to sodium consumption in healthy older adults. Journal of the American Dietetic Association, 96:471-474.
- Andersen, A.E., Stoner, S. and Rolls, B.J. (1996). Improved eating behavior in eating disordered inpatients after treatment: documentation in a naturalistic setting. International Journal of Eating Disorders, 20:397-403.
- Drewnowski, A., Henderson, S.A., Driscoll, A. and Rolls, B.J. (1997). The dietary variety score (DVS): assessing diet quality in healthy young and older adults. Journal of the American Dietetic Association, 97:266-271.
- Weinstein-Dance, S.E., Shide, D.J. and Rolls, B.J. (1997). Changes in food intake in response to stress in men and women: psychological factors. Appetite, 28:7-18.
- Rolls, B.J., Hetherington, M.M., Stoner, S.A. and Andersen, A.E. (1997). Effects of preloads of differing energy and macronutrient content on eating behavior in bulimia nervosa. Appetite, 29:353-367.
- Rolls, B.J., Castellanos, V.H., Shide, D.J., Miller, D.L., Pelkman, C.L., Thorwart, M.L. and Peters, J.C. (1997). Sensory properties of a non-absorbable fat substitute did not affect regulation of energy intake. American Journal of Clinical Nutrition, 65:1375-1383.

- Rolls, B.J., Shide, D.J., Thorwart, M.L. and Ulbrecht, J.S. (1998). Sibutramine reduces food intake in non-dieting women with obesity. Obesity Research, 6:1-11.
- Bell, E.A., Castellanos, V.H., Pelkman, C.L., Thorwart, M.L. and Rolls, B.J. (1998). Energy density of foods affects energy intake in normal-weight women. American Journal of Clinical Nutrition, 67:412-420.
- Rolls, B.J., Castellanos, V.H., Halford, J.C., Kilara, A., Panyam, D., Pelkman, C.L., Smith, G.P., and Thorwart, M.L. (1998). Volume of food consumed affects satiety in men. American Journal of Clinical Nutrition, 67:1170-77.
- Tappe, K.A., Gerberg, S.E., Shide, D.J., Andersen, A.E. and Rolls, B.J. (1998). Videotape assessment of changes in aberrant meal-time behaviors in anorexia-nervosa after treatment. Appetite, 30:171-184.
- Engell, D., Bordi, P., Borja, M., Lambert, C. and Rolls, B. (1998). Effects of information about fat content on food preferences in pre-adolescent children. Appetite, 30:269-282.
- Miller, D.L., Castellanos, V.H., Shide, D.J., Peters, J.C. and Rolls, B.J. (1998). Effect of fat-free potato chips with and without nutrition information labels on fat and energy intakes. American Journal of Clinical Nutrition, 68:282-290.
- Rolls, B.J., Bell, E.A., Castellanos, V.H., Pelkman, C.L., Chow, M. and Thorwart, M.L. (1999). Energy density but not fat content of foods affected energy intake in lean and obese women. American Journal of Clinical Nutrition, 69:863-871.
- Mustad, V.A., Jonnalagadda, S.S., Smutko, S.A., Pelkman, C.L., Rolls, B.J., Behr, S.R., Pearson, T.A. and Kris-Etherton, P.M. (1999). Comparative lipid and lipoprotein responses to solid-food diets and defined liquid-formula diets. American Journal of Clinical Nutrition, 70:839-846.
- Rolls, B.J., Bell, E.A., and Thorwart, M.L. (1999). Water incorporated into a food but not served with a food decreases energy intake in lean women. American Journal of Clinical Nutrition, 70:448-455.
- Rolls, B.J., Engell, D. and Birch, L.L. (2000). Serving portion size influences 5-year-old but not 3-year-old children's food intakes. Journal of the American Dietetic Association, 100:232-234.
- Pelkman C.L., Heinbach R.A and Rolls, B.J. (2000). Reproductive hormones and eating behavior in young women. Appetite, 34:217-218.
- Hetherington, M.M., Bell, E.A. and Rolls, B.J. (2000). Effects of repeat consumption on pleasantness, preference and intake. British Food Journal, 102:507-521.
- Rolls, B.J., Bell, E.A. and Waugh, B.A. (2000). Increasing the volume of a food by incorporating air affects satiety in men. American Journal of Clinical Nutrition, 72:361-368.

- Hetherington, M.M., Stoner, S.A., Andersen, A.E. and Rolls, B.J. (2000). Effects of acute food deprivation on eating behavior in eating disorders. The International Journal of Eating Disorders, 28:272-283.
- Miller, D.L., Bell, E.A., Pelkman, C.L., Peters, J.C. and Rolls, B.J. (2000). Effects of dietary fat, nutrition labels, and repeated consumption on sensory-specific satiety. Physiology and Behavior, 71:153-158.
- Pelkman, C.L., Chow, M., Heinbach, R.A. and Rolls, B.J. (2001). Short-term effects of a progestational contraceptive drug on food intake, resting energy expenditure, and body weight in young women. American Journal of Clinical Nutrition, 73:19-26.
- Bell, E.A. and Rolls, B.J. (2001). Energy density of foods affects energy intake across multiple levels of fat content in lean and obese women. American Journal of Clinical Nutrition, 73:1010-1018.
- Rolls, B.J. and Roe, L.S. (2002). Effect of the volume of liquid food infused intragastrically on satiety in women. Physiology and Behavior, 76:623-631.
- Kral, T.V.E., Roe, L.S. and Rolls, B.J. (2002). Does nutrition information about the energy density of meals affect food intake in normal-weight women? Appetite, 39:137-145.
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