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Thomas W. Castonguay
December, 2011

Personal Information:

CURRICULUM VITAE

NAME: Thomas William Castonguay
Professor - Appointed August, 1994

BIRTHDATE & PLACE: August 21, 1951 - Nashua, NH

FAMILY: Married, 2 children

HOME ADDRESS:

6406 Waveland Way
Columbia, Maryland 21045
Phone: (410) 381-6081

WORK ADDRESS:

Department of Nutrition
and Food Science
University of Maryland
College Park, Maryland 20742
Phone: (301) 405-4503 Office
(301) 405-4519 Lab

EDUCATION: BA in Psychology: Framingham State College, 1973

MA in Experimental/Physiological Psychology: Mount Holyoke College,
1975.

Ph.D. in Physiological Psychology: Rutgers University, 1978

Post Doctoral Fellow in the Chemical Senses, Florida State University,
1978 to 1979

Post Doctoral Fellow in Nutrition, University of California at Davis, 1980
to 1982

HONORS: Honorary Fellow of the New England Psychological Association, 1972

University of Maryland at College Park College of Agriculture and
Natural Resources Alumni Association Excellence in Research award,
1997

University of Maryland at College Park Certificate of Teaching
Excellence awards, 1998, 2000 and 2002

Finalist, Invention of the Year, Office of Research Technology, University
of Maryland, 2003

Nominee for Outstanding Supervisor of the Year, Annual National Student
Employment Week, University Career Center and the President's Promise,
University of Maryland, 2008

HONORS (cont.):

Gamma Sigma Kappa Award for Teaching Excellence, 2011

EXPERIENCE:

Associate Dean of the Graduate School, University of Maryland
August 2010 to September 2011

Interim Associate Dean of the Graduate School, University of Maryland
August 2008 – July 2010

Professor of Nutrition, Department of Nutrition and Food Science,
University of Maryland, August, 1994 to present

Sabbatical, Visiting Professor, Obesity Research Center, Department of
Psychiatry, University of Cincinnati, June '02 – December '02

Director, Graduate Program in Nutrition, Department of Nutrition and
Food Science, University of Maryland, June 2001 – April 2002

Sabbatical, Special Volunteer, National Institute on Alcohol Abuse and
Alcoholism, Fall Semester 1995

Director, Graduate Program in Nutrition, Department of Nutrition and
Food Science, University of Maryland, January 1996 to August 1998

Associate Professor of Nutrition, Department of Nutrition and Food
Science, University of Maryland, August, 1988 to August, 1994

Guest Scientist, Department of Clinical Neuroendocrinology,
National Institute of Mental Health, Bethesda, MD 1990

Assistant Director, Food Intake Laboratory, UC Davis 1982-1988

Associate Research Nutritionist, Nutrition Department, University of
California at Davis, July, 1988

Assistant Research Nutritionist, Nutrition Department, University of
California at Davis, Aug 1982- June 1988

Visiting Assistant Professor, Psychology Department, University of
California at Davis, Spring Quarter, 1981

Post Doctoral Fellow in Nutrition, University of California at Davis, under
the direction of Dr. J. S. Stern, 1980-1982

Research Psychologist, Gaines Nutrition Center, General Foods Corporation, 1979-1980

Post Doctoral Fellow, Florida State University, under the direction of Drs. L. M. Biedler and J. C. Smith, 1978-1979

Research Assistant, Rutgers University, 1975-1978

Teaching Assistant, Mount Holyoke College, 1973-1975

Research Assistant, U.S. Army Natick Laboratories, 1971-1973

RESEARCH, SCHOLARLY AND CREATIVE ACTIVITIES

a. Books

i. Books authored:

2008 T.W. Castonguay et al. . Nutrition Applications Workbook 3/e. To accompany Understanding Nutrition 9th Ed. Wadsworth Thompson Learning Inc. Belmont, CA,

iii. Chapters in Books:

1983 Castonguay, T. W., E. A. Applegate, D. E. Upton and J. S. Stern. Hunger and appetite: old concepts/new distinctions. In: Present Knowledge in Nutrition, R.Olson (Ed.), Nutrition Foundation, New York; pp.25-34. Also appeared in Nutrition Reviews 41: 101-110.

1986 Castonguay, T. W. and J. S. Stern. Physiological determinants of food selection. Food and Agricultural Research Opportunities to Improve Human Nutrition. A. R. Doberenz, J. A. Milner and B.S. Schweigert, Eds., College of Human Resources, University of Delaware, A87-A99.

1986 Gietzen, D. W., P. M. B. Leung, T. W. Castonguay, W. J. Hartman, and Q.R. Rogers. Time course of food intake and plasma and brain amino acid concentrations in rats fed amino acid imbalanced or deficient diets. In: Interaction of the Chemical Senses with Nutrition. J. G. Brand and M. R. Kare, Eds., Academic Press, Inc., New York, NY, pp. 415-456.

1987 Castonguay, T. W. Diet Selection: Principles, rules and suggestions. In: Methods and Techniques to Study Feeding and Drinking Behavior, N. Rowland and F. Toates, Eds., Elsevier Science Publishers, New York, pp. 429-441.

1988 Stern, J. S., T. W. Castonguay and Q. R. Rogers. Physiological regulation of intakes of carbohydrate, fat, and protein. In: Diet and Obesity: Metabolic Basis for Obesity and Its Prevention. G. Bray, J. LeBlanc, S. Inoue and M. Suzuki, Eds. Japan Scientific Societies Press, Tokyo, pp 51-60.

1990 Castonguay, T. W. and J. S. Stern. Nutritional aspects of diet on acute behavior studies of animals. In: Diet and Behavior: A workshop on methodologies. Edited by G. H. Anderson. ILSI-NF Press, Washington DC. pp 113-121.

1990 Castonguay, T.W. and J.S. Stern. Hunger and appetite. In: Present Knowledge in Nutrition, M.L. Brown (Ed.), International Life Sciences Institute - Nutrition Foundation, Washington, DC pp 13-22.

1993 Kalogeris, T. and T.W. Castonguay. Assessment of feeding behavior. In: Methods in Neurosciences, Volume 14: Paradigms for the study of behavior. Michael Conn (ed.). Academic Press, New York, pp 297-308.

1999 Castonguay, T.W. and L.M. Brown. Effects of food deprivation, starvation and exercise on dietary selection in the rat. In: Metabolically Driven Changes in Macronutrient Selection. H. Berthoud and R. Seeley (eds.) CRC Press, Boca Raton, pp 219 - 232.

- 2007 Woods, S.C. and T.W. Castonguay. Neuroendocrine mechanisms of energy balance. In: Foraging. David Stephens, (ed.) New York: Academic Press
- 2011 Colley, D., E. London, B. Jiang, J. Khural and T.W. Castonguay. Fructose and the control of food intake. In: Fructose: Synthesis, Functions and Health Implications. Nova Science Publishers (Hauppauge, NY). In press.

b. Peer-reviewed journal articles:

1. 1980 Smith, J. C., T. W. Castonguay, D. F. Foster and L. M. Bloom. A detailed analysis of glucose and saccharin drinking in the rat. *Physiology and Behavior* 24: 173-176.
2. 1980 Hill, W., T. W. Castonguay and G. Collier. Taste or diet balancing? *Physiology and Behavior* 24: 765-767.
3. 1981 Castonguay, T. W., E. Hirsch and G. Collier. Palatability of sugar solutions and dietary selection? *Physiology and Behavior* 27: 7-12.
4. 1981 Castonguay, T. W. Dietary dilution and intake in the cat. *Physiology and Behavior* 27: 547-549.
5. 1982 Castonguay, T. W., W. J. Hartman, E. A. Fitzpatrick and J.S. Stern. Dietary self-selection and the Zucker rat. *Journal of Nutrition* 112: 796-800.
6. 1982 Castonguay T. W., D. E. Upton, P. M. B. Leung and J. S. Stern. Meal patterns in the genetically obese Zucker rat: a reexamination. *Physiology and Behavior* 28: 911-916.
7. 1983 Castonguay, T. W. and J. S. Stern. The effect of adrenalectomy on dietary component selection by the genetically obese Zucker rat. *Nutrition Reports International* 28: 725-731.
8. 1984 Castonguay, T. W., S. L. Burdick, M. A. Guzman, G. H. Collier and J. S. Stern. Self-selection and the obese Zucker rat: the effect of dietary fat dilution. *Physiology and Behavior* 33:119-126.
9. 1984 Stern, J. S., L. Grivetti and T. W. Castonguay. Energy intake: uses and misuses. *International Journal of Obesity* 8: 535-541.
10. 1984 Stern, J. S., T. Inokuchi, T. W. Castonguay, S. J. Wickler, and B. A. Horwitz. Scapular brown fat removal enhances development of adiposity in cold-exposed obese Zucker rats. *American Journal of Physiology* 247: R918-R926.
11. 1984 Bellinger, L. L., V. E. Mendel, F. E. Williams and T. W. Castonguay. The effect of liver denervation on meal patterns, body weight and body composition of rats. *Physiology and Behavior* 33: 661-667.

12. 1984 Castonguay, T. W., M. Dallman and J. S. Stern. Corticosterone prevents body weight loss and diminished fat appetite following adrenalectomy. *Nutrition and Behavior* 2: 115-125.
13. 1984 Rashotte, M. E., J. C. Smith, T. Austin, C. Pollitz, T. W. Castonguay and L. Jonsson. Twenty-four-hour free-feeding patterns of dogs eating dry food. *Neuroscience and Biobehavioral Reviews* 8: 205-210.
14. 1985 Castonguay, T. W., S. Phillips and G. Collier. Procurement cost and dietary selection. *Nutrition and Behavior* 2: 201-211.
15. 1985 Willer, V., T. W. Castonguay, M. Dallman and J. S. Stern. Flavor, forced choice and deprivation affects corticosterone selection by the adrenalectomized rat *Physiology and Behavior* 35: 53-59.
16. 1985 Freedman, M. R., T. W. Castonguay and Judith S. Stern. Effect of adrenalectomy and corticosterone replacement on meal patterns of Zucker rats. *American Journal of Physiology* 249: R584-R596.
17. 1985 Castonguay, T. W., N. Rowland and J. S. Stern. Nutritional influences of dietary selection patterns of obese and lean Zucker rats. *Brain Research Bulletin* 14: 625-631.
18. 1986 Castonguay, T. W., M. F. Dallman and J. S. Stern. Some metabolic and behavioral effects of adrenalectomy on the obese Zucker rat. *American Journal of Physiology* 251: R923-R933.
19. 1986 Kawamoto, J. C., T. W. Castonguay, C. L. Keen, J. S. Stern and L. S. Hurley. Age, sex, and reproductive status alter the severity of anorexia in zinc deficient rats. *Physiology and Behavior* 38: 485-493.
20. 1986 Bellinger, L. L., V. E. Mendel, L. L. Bernardis and T. W. Castonguay. Meal patterns of rats with dorsomedial hypothalamic nuclei lesions or sham operations. *Physiology and Behavior* 36: 693-698.
21. 1986 Castonguay, T. W. and G. H. Collier. Diet balancing: some limitations. *Nutrition and Behavior* 3: 43-55.
22. 1986 Castonguay, T. W., L. L. Kaiser and J. S. Stern. Meal pattern analysis: artifacts, assumptions, and implications. *Brain Research Bulletin* 17: 439-443.
23. 1987 Castonguay, T. W. and L. L. Bellinger. Capsaicin and its effects upon meal patterns, and glucagon and epinephrine suppression of food intake. *Physiology and Behavior* 40:337-342.
24. 1988 Rabinowitz, L., T. W. Castonguay and J. Rutledge. The effects of potassium and aldosterone on the food intake of adrenalectomized rats. *Physiology and Behavior* 42: 137-140.

25. 1988 Oster, M. H., T. W. Castonguay, C. L. Keen, and J. S. Stern. Circadian rhythm of corticosterone in diabetic rats. *Life Sciences* 43: 1643-1645.
26. 1990 Bligh, M.E., M.B. DeStefano, S.K. Kramlik, L.W. Douglass, P. Dubuc, and T.W. Castonguay. Adrenal modulation of the enhanced fat intake subsequent to fasting. *Physiology and Behavior* 48: 373-381.
27. 1991 DeStefano, M., J.S. Stern and T.W. Castonguay. Effect of chronic insulin administration on food intake and body weight in rats. *Physiology and Behavior* 50: 801-806.
28. 1991 Castonguay, T.W. Glucocorticoids as modulators in the control of feeding. *Brain Research Bulletin* 27: 423-428.
29. 1991 Beverly, J.L., M.H. Oster, T.W. Castonguay, and J.S. Stern. Dietary fat, hypothalamic glutamate decarboxylase and food intake of streptozotocin - diabetic rats. *American Journal of Physiology* 261: R1554-R1559.
30. 1992 Bray, G.A., J.S. Stern, and T.W. Castonguay. Effect of adrenalectomy and high fat diet on the fatty (Zucker) rat. *American Journal of Physiology* 262: E32-E39.
31. 1992 Coscina, D., T.W. Castonguay, and J.S. Stern. Effects of increasing brain GABA on the meal patterns of genetically obese vs. lean Zucker rats. *International Journal of Obesity* 16: 425-433.
32. 1992 Kamara, K, A.K. Kamara, and T.W. Castonguay. A re-examination of the effects of intracerebroventricular glucocorticoids in adrenalectomized rats. *Brain Research Bulletin* 29:355-358.
33. 1993 Bligh, M.E., L.W. Douglass and T.W. Castonguay. Corticosterone modulation of dietary selection patterns. *Physiology and Behavior* 53: 975-982.
34. 1993 Kramlik, S.K., M. Altemus, and T.W. Castonguay. The effects of the acute administration of RU 486 on dietary fat preference in fasted lean and obese men. *Physiology and Behavior* 54: 717-724.
35. 1993 Bernardini, J., K. Kamara, and T.W. Castonguay. Macronutrient choice following food deprivation: The effect of dietary fat dilution. *Brain Research Bulletin* 32: 543-548.
36. 1993 Bligh, M.E., S.A. Bhagwat and T.W. Castonguay. Aldosterone diurnal rhythm in the rat: A question of cross-reactivity? *Physiology and Behavior* 53: 845-848.
37. 1993 Bligh-Tynan, M.E., S.A. Bhagwat, and T.W. Castonguay. The effects of chronic

- cold exposure on diurnal corticosterone and aldosterone rhythms in Sprague - Dawley rats. *Physiology and Behavior* 54:363-367.
38. 1993 McHugh, K., S.M. Collins, T.W. Castonguay and H.P. Weingarten. Characterization of suppression of food intake following acute colon inflammation in the rat. *American Journal of Physiology* 265: R1001-R1005.
39. 1994 Bellinger, L.L., T.W. Castonguay and L. Bernardis. Hormone and somatic changes in rats pair-fed by computer operated feeders to growth retarded dorsomedial hypothalamic nuclei-lesioned rats. *Brain Research Bulletin* 34: 117-124.
40. 1994 Hamelink, C. R., P.J. Currie, J.W. Chambers, T.W. Castonguay, and D.V. Coscina. Corticosterone responsive and unresponsive metabolic characteristics of adrenalectomized rats. *American Journal of Physiology* 267: R799-R804.
41. 1995 Trocki, O., D. J. Baer, and T.W. Castonguay. An evaluation of the use of total body electrical conductivity for the estimation of body composition in adult rats: Effect of diet, obesity and adrenalectomy. *Physiology and Behavior* 57: 765-772.
42. 1995 Trocki, O., D.J. Baer, and T.W. Castonguay. Comparison of effects of adrenalectomy and RU 486 in rats given a choice of maintenance diet and fat supplement. *American Journal of Physiology* 269: R708-R719.
43. 1996 Moshirfar, A., K.S. Kamara, and T.W. Castonguay. Intragastrically administered tryptophan blocks gluconeogenesis in 48h starved rats. *Journal of Nutritional Biochemistry* 7: 567-570.
44. 1998 Kamara, K. R. Eskay and T.W. Castonguay. High fat diets and stress responsivity. *Physiology and Behavior* 63: 78-83.
45. 1999 Potter, G, A. Moshirfar, and T.W. Castonguay. Insulin affects dopamine overflow in the nucleus accumbens and the striatum. *Physiology and Behavior* 65: 811-816.
46. 1999 Mukherjea, R., T.W. Castonguay, and P.B. Moser-Veillon. Elevated leptin concentrations in pregnancy and lactation: possible role as a modulator of substrate utilization. *Life Sciences* 65: 1183-1193.
47. 1999 Schwartz, G.J., A. Whitney, C. Skoglund, T.W. Castonguay and T.H. Moran. Decreased sensitivity to dietary fat in Otsuka Long Evans Tokushima Fatty (OLETF) rats lacking CCKA receptors. *American Journal of Physiology* 277: R1144-R1151.
48. 1999 Edens, N.E., A. Moshirfar, G.M. Potter, S.K. Fried and T.W. Castonguay.

- Adrenalectomy reduces adiposity by decreasing feed efficiency, not direct effects on white adipose tissue. *Obesity Research* 7: 395-401.
49. 2000 Habash, T., R.L. Eskay, W.J. Kuenzel and T.W. Castonguay. Some interactions of glucocorticoids, NPY and hypothalamic serotonin. *Nutritional Neuroscience* 3: 183-192.
50. 2000 Yeung, S.K. and T.W. Castonguay. The effect of Neuropeptide Y on hypothalamic serotonin overflow. *Nutritional Neuroscience* 3: 373-381.
51. 2001 Bai, H. and T.W. Castonguay. Effects of adrenalectomy and hormone replacement on B6CF1 mice fed a high fat diet. *Physiology and Behavior* 72: 493-498.
52. 2002 VanderWeele, D.A., N.K. Doss and T.W. Castonguay. Ingestional responses to metabolic challenges in rats selectively bred for high and low saccharin intake. *Physiology and Behavior* 75: 97-104.
53. 2002 Castonguay, T.W. S. Beaulieu, R.L.Eskay, N. Barden, K. Kamara, S. Khozin, L. Lustberg and L. Brown. The effects of adrenalectomy and aldosterone replacement in transgenic mice expressing antisense RNA to the Type-2 glucocorticoid receptor. *Physiology and Behavior* 77: 417-423.
54. 2003 Gemmill, M.E., R.L. Eskay, N.L. Hall, L.W. Douglass and T.W. Castonguay. Effect of leptin on food intake and body weight in adrenalectomized rats with corticosterone replacement. *Journal of Nutrition* 133: 504-509.
55. 2003 Roth, M. J., D. J. Baer, T.W. Castonguay, J.T. Judd, J.F. Dorgan, S.M. Dawsey, E.D. Brown, T.J. Hartman, D.K. Corle, W.S. Campbell, C.A. Giffen, P.R. Taylor The association between serum leptin and alcohol consumption in a controlled feeding study. *Journal of the National Cancer Institute* 95: 1722-1725.
56. 2007 E.London, G. Lala, R.Berger, A. Panzenbeck, A.A. Kohli, M. Renner, A. Jackson, T. Raynor, K. Loya and T.W.Castonguay. Sucrose access differentially modifies 11 β -hydroxysteroid dehydrogenase-1 and hexose-6-phosphate dehydrogenase message in liver and adipose tissue in rats *Journal of Nutrition* 137: 2616-2621.
57. 2009 London, E. and T.W. Castonguay. Diet and the role of 11 β -hydroxysteroid dehydrogenase -1 on obesity *Journal of Nutritional Biochemistry* 20(7):485-93. Epub 2009 May 14.
58. 2011 London, E. and T.W. Castonguay. High fructose diets increase 11 β -hydroxysteroid dehydrogenase type 1 in liver and visceral adipose in rats within

24-h exposure. Obesity 19: 925-932. doi:10.1038 /oby.2010.284

59. 2011 Brown, L.M., C.T. Hansen, A. F. Huberty, T. W. Castonguay Traits of the metabolic syndrome alter corpulent obesity in LAN, SHR and DSS rats: Behavioral and metabolic interactions with adrenalectomy. Physiology and Behavior. 103(1): 98-103. Epub 2010 Dec 31.

c. Non-peer reviewed articles

- 2006 Moore, J., E. Parsons and T. Castonguay. 11 β Hydroxysteroid Dehydrogenase -1 message in liver and adipose tissue of obese and lean Zucker rats. In Epicentre Forum. K. Kramer (ed.) Madison, WI.

d. Book Reviews

- 1986 Castonguay, T. W. Book Review. Eating Disorders: the facts by S. Abraham and D. Llewellyn-Jones. Journal of Nutrition Education 18: 88.
- 1987 Castonguay, T. W. Book Review. Hunger (Problems in the Behavioral Sciences) by J. LeMagnen. Journal of Nutrition 117: 996-997.
- 1988 Castonguay, T. W. Book Review. Diet and Behavior: A Multidisciplinary Evaluation G.H. Anderson (Ed.). Journal of Nutrition Education 20: 35.
- 1988 Castonguay, T. W. Book Review. Nutrition and the Brain, Vol. 7.: Food constituents affecting normal and abnormal behaviors J. Wurtman and R. Wurtman (Eds.). Journal of Nutrition 118: 1165.

e. Invited Commentary

- 1985 Castonguay, T. W. Studies of food choice: the nutritional challenge. Behavioral and Brain Sciences Target article: Choice, optimal foraging and the delay reduction hypothesis. by E. Fantino and N. Abarca 8: 334-335.

TALKS, ABSTRACTS/PAPERS PRESENTED AT PROFESSIONAL MEETINGS

i. Invited talks:

1. 1984 Castonguay, T. W. Corticosterone prevents body weight loss and diminished fat appetite following adrenalectomy. Paper presented at the Annual Meetings of the Western Psychological Association, Los Angeles, CA.
2. 1985 Stern, J. S. and T. W. Castonguay. Physiological determinants of food selection. Paper presented at the Western Regional USDA Conference on Health and Diet, Davis, CA.
3. 1986 Castonguay, T. W. and J. S. Stern. Metabolic state and food choice. Paper presented at the Joint Meeting of the American Institute of Nutrition, American Society of Clinical Nutrition, American Society of Clinical Nutrition, and the Canadian Society for Nutritional Sciences, Davis, CA. *Journal of Nutrition* 116:~ii.
4. 1987 Castonguay, T. W. Meal pattern analysis: theoretical and applied considerations. Poster presented at the Second World Congress of Neuroscience, Budapest, Hungary. *Neuroscience* 22 (supplement): S496.
5. 1987 Castonguay, T. W. and J. S. Stern. Meal pattern analysis and the obese Zucker rat: New insights. Paper presented at "Appetite, thirst and related disorders," a Satellite Symposium of the Annual Meeting of the Society for Neuroscience, San Antonio, TX.
6. 1988 Rowland, N. E., A. M. Souquel and T. W. Castonguay. Long-term administration of dexfenfluramine (DF) in rats: Therapeutic implications. Paper presented at the B. Franklin/Lafayette Seminar on Food Intake. La Napoule, France.
7. 1990 Castonguay, T.W., M.E. Bligh, M. DeStefano, T. Ton, and G. Schlabach. Adrenocortical control of dietary food item choice. 6TH International Congress on Obesity, Kobe, Japan.
8. 1990 Castonguay, T.W. Glucocorticoids as modulators in the control of feeding. Symposium on Regulation of Food Intake, Metabolism and Energy Balance. Yashiro, Japan.
9. 1993 Trocki, O., D.J. Baer, and T.W. Castonguay. Hyperphagia is not essential in inducing dietary obesity in adult rats. Paper presented at the Second International Behavioral Neuroscience Conference. Tampa, FL.

Invited Lectures at Universities & Research Institutes since joining the UMCP faculty:

- 2008 Sigma Xi Annual Meeting, University of Maryland
- 2006 Amylin Pharmaceuticals, Inc. La Jolla CA
- 2006 Howard County Board of Health, Columbia, MD
- 2006 Joint Institute for Food Safety and Applied Nutrition, Food and Drug Administration, College Park, MD
- 2004 Bioscience Research Day, College of Life Sciences, University of Maryland, College Park, MD
- 2004 Department of Biological Resource Engineering, University of Maryland, College Park, MD
- 2004 Sparks Companies January Policy Roundtable Meeting, Washington, D.C.
- 2003 Geriatric Research Center, Veterans Administration Hospital, Baltimore MD
- 2002 Obesity Research Center, Department of Psychiatry, University of Cincinnati School of Medicine, Cincinnati, OH
- 2000 Department of Food Science and Human Nutrition, Colorado State University, Fort Collins, CO
- 2000 Human Nutrition Research Center, University of Colorado Health Sciences Center, Denver, CO
- 1999 Department of Psychology, Wayne State University, Detroit MI
- 1999 Department of Nutrition and Food Science, Wayne State University, Detroit, MI
- 1997 Department of Nutrition and Food Science, University of Maryland, College Park
- 1996 Department of Nutrition, Pennsylvania State University, College Station, PA
- 1995 Maryland College Health Nurses Association
- 1995 Maryland Home Economics Association
- 1995 Baylor College of Dentistry, Dallas, TX

- 1993 College of Human Sciences, Florida State University, Tallahassee, FL
- 1993 Psychology Department, McMaster University, Hamilton, Ontario
- 1993 USDA-Beltsville, Human Nutrition Research Center, Beltsville, MD
- 1993 National Institutes of Health, Clinical Neuroendocrinology Branch, Bethesda, MD
- 1992 Dept. of Psychiatry and Behavioral Medicine, Johns-Hopkins University, Baltimore MD
- 1991 Psychology Department, Rutgers University New Brunswick, NJ
- 1991 Neuroscience Program, University of Toronto, Toronto, Canada
- 1991 Monell Center for the Chemical Senses, Philadelphia, PA
- 1990 USDA-Beltsville, Human Nutrition Research Center, Beltsville, MD
- 1990 Nova Pharmaceutical Corp. Baltimore, MD
- 1990 Psychology Department, Princeton University, Princeton, NJ
- 1990 Physiology Department, Baylor College of Dentistry, Dallas, TX
- 1989 Psychology Department, University of California - Santa Barbara, CA
- 1988 Dept. of Psychiatry and Behavioral Medicine, Johns-Hopkins University, Baltimore MD

ii. Contributed talks:

1. 1976 Castonguay, T. W. and E. Hirsch. Carbohydrate-induced overeating and obesity in the intact rat. Paper presented at 47th Annual Meetings of the Eastern Psychological Association, New York, NY. Proceedings and Abstracts of the Annual Meeting of the Eastern Psychological Association 47: 53.
2. 1977 Castonguay, T. W., M. Medvin and V. K. Mast. Carbohydrate dilution of high protein diets and the selection paradigm: More evidence for the nutritional balance perspective. Paper presented at the 48th Annual Meetings of the Eastern Psychological Association, Boston, MA. Proceedings and Abstracts of the Annual Meeting of the Eastern Psychological Association 48:101.
3. 1978 Castonguay, T. W. Some nutritional determinants of sucrose intake in the rat. Paper presented at the 86th Annual Meetings of the American Psychological Association, Toronto, Canada. Proceedings and Abstracts of the Annual Meeting of the American Psychological Association 86: 109.
4. 1978 Hill, W. L. and T. W. Castonguay. Palatability, preferences or diet balancing? Paper presented at the 86th Annual Meetings of the American Psychological Association, Toronto, Canada. Proceedings and Abstracts of the Annual Meeting of the American Physiological Association 86: 109.
5. 1979 Castonguay, T. W. The effect of acquisition cost on dietary selection. Paper presented at the 50th Annual Meetings of the Eastern Psychological Association, Philadelphia, PA. Proceedings and Abstracts of the Annual Meeting of the Eastern Psychological Association 50:147.
6. 1979 Smith, J. C., T. W. Castonguay and D. F. Foster. A detailed study of the drinking of glucose and saccharine mixtures in the rat. Paper presented at the meetings of the Association for Chemoreception Sciences, Sarasota, Florida.
7. 1981 Mendel, V., L. Bellinger, F. Williams and T. W. Castonguay. Short and long-term effects of liver denervation on food intake in the rats. Poster presented at the Haer Institute for Electrophysiological Research Satellite Symposium "The Neural Basis of Feeding and Reward" Los Angeles, CA.
8. 1981 Castonguay, T. W., P. M. B. Leung and J. S. Stern. Intermeal interval minimum meal size and their interactions: a parametric study. Poster presented at the 11th Annual Meetings of the Society for Neuroscience 11th Annual Meeting 7: 873.
9. 1982 Stern, J. S. and T. W. Castonguay. Do Zucker rats regulate protein intake? Poster presented at the meetings of the Federations of American Societies for Experimental Biology, New Orleans. Federation Proceedings 41: 712.

10. 1982 Castonguay, T. W. and J. S. Stern. Dietary self-selection and the Zucker rat. Paper presented at the 53rd Annual Meetings of the Eastern Psychological Association, Baltimore, MD. Proceedings and Abstracts of the Annual Meeting of the Eastern Psychological Association 53: 73.
11. 1982 Castonguay, T. W. and J. S. Stern. Dietary component selection by genetically obese and lean Zucker rats: the effect of adrenalectomy. Paper presented at the 12th Annual Meetings of the Society for Neuroscience, Minneapolis, MN.
12. 1983 Castonguay, T. W., M. Guzman and J. S. Stern. Fat intake and the obese Zucker rat: further observations. Paper presented at the 54th Annual Meetings of the Eastern Psychological Association, Philadelphia, PA. Proceedings and Abstracts of the Annual Meeting of the Eastern Psychological Association 54: 58.
13. 1983 Rogers, Q. R., T. W. Castonguay and P. M. B. Leung. The onset of amino acid imbalance: an operant approach. Poster presented at the VIIIth International Conference on the Physiology of Food and Fluid Intake, Melbourne, Australia. Appetite 4: 220 (1983).
14. 1983 Castonguay, T. W., D. E. Upton and J. S. Stern. Some metabolic determinants of food item choice by obese Zucker rats. Poster presented at the meetings of the Federation of American Societies for Experimental Biology, Chicago, IL. Federation Proceedings 42: 550.
15. 1983 Stern, J. S., S. Brown, K. Stanhope, J. Uriu, T. W. Castonguay and G. A. Bray. Adrenalectomy reduces weight gain, adipose cell size and lipoprotein lipase activity in obese male Zucker rats (fafa). Paper presented at the Federation of American Societies for Experimental Biology, Chicago, IL Federation Proceedings 42: 393.
16. 1983 Stern, J. S., T. W. Castonguay, S. Brown, K. Stanhope and G. A. Bray. Adrenalectomy reduces caloric and fat intake and body weight gain in genetically obese Zucker rats (fafa). Paper presented at the International Conference on the Physiology of Food and Fluid Intake, Melbourne, Australia. Appetite 4: 227
17. 1983 Bellinger, L. L., V. E. Mendel, F. E. Williams and T.W.Castonguay. The effect of liver denervation (LD) on meal patterns, body weight (BW), and body composition of rats. Poster presented at the Fall Meeting of the American Physiological Society, Honolulu, Hawaii. Physiologist 26: A-105 (1983).
18. 1984. Castonguay, T. W., M. Dallman and J. S. Stern. Corticosterone controls the enhanced fat appetite of the obese Zucker rat. Poster presented at the meetings of the Federation of American Societies for Experimental Biology, St. Louis, MO. Federation Proceedings 43: 1059.

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123. 1999 S.K. Yeung and T.W. Castonguay. The effect of Neuropeptide Y on catecholamine and indolamine overflow in the hypothalamus. Poster presented at the Annual Meeting of the Society for Neuroscience. Miami, FL
124. 2000 R.Mukherjea, W. Rumpler, L.W. Douglass, T.W. Castonguay, and P. Moser-Veillon. Decrease in body fat does not effect leptin during lactation. Paper presented at the Experimental Biology Meetings, San Diego, CA
125. 2000 M. Gemmill, R.L. Eskay, L. Zhang, N. Hall, L. Douglass and T.W. Castonguay. Effect of leptin on food intake and body weight in adrenalectomized rats with corticosterone replacement. Poster presented at the Annual Meeting of the Society for Neuroscience New Orleans, LA
126. 2001 L. Brown, C. Hamelink, and T.W. Castonguay. Chemiluminescent *In Situ* Hybridization Of The Melanocortin-4 Receptor In Both Lean And Obese Agouti Mice. Paper presented at the Experimental Biology Meetings, Orlando, FL
127. 2001 L.M. Brown, C.T. Hansen, R.L. Eskay, and T.W. Castonguay Chemiluminescent *in situ* hybridization of the melanocortin-4 receptor in adrenalectomized lean and obese Balb/c-Avy mice. Talk presented at the Annual Meeting of the Society for the Study of Ingestive Behavior, Philadelphia, PA
128. 2001 L. M. Brown, C.T. Hansen and T.W. Castonguay. Genetic background influences the effect of adrenalectomy on the expression of the mc4 receptor in lean and obese agouti mice. Poster presented at the Annual Meeting of the Society for Neuroscience, San Diego, CA

129. 2002 Lynda M. Brown, Siam O. Lieu, Sumesh Thomas, Carl T. Hansen and T.W. Castonguay. The effects of adrenalectomy and genetic background on carcass composition and melanocortin-4 receptor expression in lean and obese agouti mice. Poster presented at the 5th International Melanocortin. Sun River, OR.
130. 2002 L. M. Brown, S. Thomas, S.O Lieu, C. T. Hansen and T.W. Castonguay. The effects of adrenalectomy and genetic background on carcass composition and neuropeptide Y5 receptor expression in lean and obese corpulent rats. Poster presented at the Annual Meeting of the Society for the Study of Ingestive Behavior. Santa Cruz, CA Abstract published in *Appetite* 39: 67, 2002.
131. 2002 M.B. Lubran, S. Thomas, L.M. Brown and T.W. Castonguay. The regulation of circulating corticosterone: Time course to adjust to varied placement dosages. Poster presented at the annual meeting of the Society for Neuroscience Orlando, FL
132. 2002 C.E. Cole and T.W. Castonguay. The effects of adrenalectomy and high fat diet on hippocampal mineralocorticoid receptor mRNA. Poster presented at the annual meeting of the Society for Neuroscience Orlando, FL
133. 2003 T.W. Castonguay, T. Vahl, J. Reed, R. Seeley, R. Sakai, and S.C. Woods. High fat diets promote increased hepatic 11-beta HSD-1 mRNA. Poster presented at the annual meeting of the Society for the Study of Ingestive Behavior. Groningen, Netherlands. Abstract published in *Appetite* 40: 320, 2003.
134. 2004 A. Morin, J. Moore, E. Zager, D. Clegg, L.M. Brown, T.W. Castonguay. Hepatic 11 β Hydroxysteroid Dehydrogenase -1 mRNA in obese and lean Zucker rats. Poster presented at the annual meeting of the Society for the Study of Ingestive Behavior. Cincinnati, OH Abstract published in *Appetite* 42: 386, 2004
135. 2004 J. Moore, A. Morin, E. Zager, D. Clegg, L.M. Brown, T.W. Castonguay. Hepatic and mesenteric adipose 11 β Hydroxysteroid Dehydrogenase -1 mRNA in obese and lean Zucker rats. Poster presented at the annual meeting of the Society for Neuroscience, San Diego, CA
136. 2005 J. Moore, E. Zager, T.W. Castonguay. 11 Beta Hydroxysteroid Dehydrogenase 1 mRNA in obese and lean Zucker rats. Poster presented at the 19th National Conference of Undergraduate Research: April 20-23, 2005. Lexington, Virginia
137. 2005 J. Moore, E.Z. Parsons, M. Hardy, L.M. Brown, D. Clegg, and T.W. Castonguay High fat diets and hepatic 11 β hydroxysteroid dehydrogenase -1 in Long-Evans male rats. Poster presented at the annual meeting of the Society for the Study of Ingestive Behavior, Pittsburgh, PA

138. 2005 E.Z. Parsons, J. Moore, M. Muchow, T. Porter and T.W. Castonguay. Interference RNA knockdown of GH3 and GH4C1 pituitary cell 11 beta Hydroxysteroid Dehydrogenase -1. Poster presented at the annual meetings of the Society for Neuroscience, Washington, DC.
139. 2006 E.Z. Parsons, E. London, J. Moore, D. Mengesha and T.W. Castonguay 11 β hydroxysteroid dehydrogenase-1 and obesity. Paper presented at the annual meeting of the Society for the Study of Ingestive Behavior, Naples FL
140. 2006 T.W. Castonguay, E. London, E. Parsons, D. Mengesha and A. Jackson. Glucocorticoids and different models of obesity. Paper presented at the annual meetings of the Society for Neuroscience, Atlanta, GA.
141. 2007 E. London, A. Jackson, A. Panzenbeck and T.W. Castonguay. RNAi knockdown of 11 β -Hydroxysteroid Dehydrogenase-1 in GH4C1 rat pituitary cells. Poster presented at the annual Experimental Biology meeting, Washington, D.C.
142. 2007 E. London, G. Lala, R. Berger, A. Panzenbeck, A. Kohli, M. Renner, A. Jackson, T. Raynor, K. Loya T.W. Castonguay. Sucrose access and 11 β -hydroxysteroid dehydrogenase-1 message in liver and adipose tissue in rats. Poster presented at the annual meeting of the Society for the Study of Ingestive Behavior, Steamboat Springs, CO.
143. 2007 T. W. Castonguay, E. London, G. Lala, R. Berger, A. Kohli, M. Renner, A. Jackson, T. Raynor. Sucrose access differentially modifies 11 β -hydroxysteroid dehydrogenase-1 and hexose-6-phosphate dehydrogenase message in liver and adipose tissue in rats. Paper presented at the annual meeting of the Society for Neuroscience, San Diego, CA
144. 2008 E. London and T.W. Castonguay. Effects of 24h access to sugar solutions on 11 β -hydroxysteroid dehydrogenase-1 and hexose-6-phosphate dehydrogenase. Poster presented at the annual meeting of the Society for Neuroscience, Washington, DC.
145. 2008 J. Leger, R. Sakai and T.W. Castonguay. Growth and body composition of Charles River Sprague-Dawley rats. Poster presented at the annual meeting of the Society for Neuroscience. Washington, D.C.
146. 2009 B. Jiang, E. London and T.W. Castonguay. Differential effects of glucose, sucrose and fructose on hypothalamic neuropeptide expression. Poster presented at the annual meeting of the Society for Neuroscience. Chicago, IL

147. 2009 E, London and T.W. Castonguay. High-sucrose, fructose, and glucose diets and glucocorticoid dysregulation in rats. Poster presented at the annual meetings of The Obesity Society, Washington, D.C.
148. 2011 T.W. Castonguay, E. London, J. Khural and B. Jiang. Sugar solutions alter liver and hypothalamic appetite regulation. Poster presented at the Experimental Biology 2011 annual meeting, Washington, D.C.
149. 2011 D. Colley, E.London and T. Castonguay. Sugar solutions and the control of food intake. Poster presented at the 2011 Mid-Atlantic Diabetes Research Symposium, National Institutes of Health, Bethesda, MD.
150. 2011 T.W. Castonguay, D. Colley, B. Jiang and J. Khural. Sugar solutions and their impact on caloric regulation. Poster to be presented at the annual meeting of the Society for Neuroscience, Washington, D.C.
151. 2011 T. Castonguay and D. Colley. Fructose, high fructose corn syrup and sucrose solutions: a comparison of their effects on the hypothalamic control of food intake. Paper to be presented at the Experimental Biology 2012 annual meeting, San Diego, CA

Unrefereed Conference Proceedings:

1. 1982 Castonguay, T. W. Dietary self-selection and the Zucker rat: further considerations. Chemical Senses and Ingestion Society, Baltimore, MD.
2. 1983 Castonguay, T. W. Exercise and dietary component selection. Paper presented at the annual meeting of the Chemical Senses & Ingestion Society. Philadelphia, PA.
3. 1986 Castonguay, T. W., M. Lemp, and J. S. Stern. Conditioned taste aversion learning in adrenalectomized rats. Paper presented at the annual meeting of the Chemical Senses and Ingestion Society, New York, NY.
4. 1986 Castonguay, T. W. and A. Sclafani. Consumption of carbohydrate solutions in domestic cats. Paper presented at the annual meeting of the Chemical Senses and Ingestion Society, New York, NY.
5. 1987 Castonguay, T. W. Insulin, corticosterone and their interaction: effects on body weight and food intake. Paper presented at the annual meeting of the Society for the Study of Ingestive Behavior, Washington, D.C.
6. 1989 Castonguay, T.W. Effects of corticosterone supplementation on body weight and food intake. Paper presented at the Annual Meetings of the Society for the Study of Ingestive Behavior. Boston, MA.
7. 1990 Bligh, M.E. and T.W. Castonguay. Adrenal control of fat intake subsequent to food deprivation. Society for the Study of Ingestive Behavior Philadelphia, PA
8. 1990 Kramlik, S. and T.W. Castonguay. Fat preference in Cushing's patients. Society for the Study of Ingestive Behavior Philadelphia, PA
9. 1990 DeStefano, M. and T.W. Castonguay. Effect of chronic insulin administration on food intake and body weight. Society for the Study of Ingestive Behavior Philadelphia, PA
10. 1991 Castonguay, T.W. Insulin and on-line blood glucose analysis. Paper presented at the Annual Meeting of the Society for the Study of Ingestive Behavior. New York, NY
11. 1993 Hamelink, C. and T.W. Castonguay. ACTH and its effects on body weight. Paper presented at the annual Society for the Study of Ingestive Behavior meeting, Alexandria, VA
12. 1993 Trocki, O. and T.W. Castonguay. Corticosterone rhythmicity is not affected by dietary obesity. Paper presented at the annual Society for the Study of Ingestive

Behavior meeting, Alexandria, VA

13. 1996 Castonguay, T.W. Corticosterone and insulin release in the LAN/CP rat. Paper presented at the annual Society for the Study of Ingestive Behavior meeting, Philadelphia, PA
14. 1999 Castonguay, T.W. Insulin stimulates dopamine release from the nucleus accumbens Poster presented at the 1st annual Neural and Cognitive Sciences Research Festival (NACFEST) University of Maryland College Park.
15. 1999 Habash, T., R.L. Eskay, and T.W. Castonguay The effect of adrenalectomy and corticosterone replacement on NPY induced changes in serotonin metabolism. Paper presented at the 1st annual Neural and Cognitive Sciences Research Festival (NACFEST) University of Maryland College Park.
16. 2000 Yeung, S.K. and T.W. Castonguay The effect of Neuropeptide Y on hypothalamic serotonin overflow Poster presented at the 2nd annual Neural and Cognitive Sciences Research Festival (NACFEST) University of Maryland
17. 2004 Moore, J., A. Morin, E. Zager and T.W. Castonguay. Hepatic 11 β HSD-1 mRNA in obese and lean Zucker rats. Poster presented at the annual Undergraduate Research Day, University of Maryland.
18. 2005 Moore, J., E. Parsons and T.W. Castonguay. 11 β hydroxysteroid dehydrogenase-1 mRNA in obese and lean Zucker rats. Poster presented at the Undergraduate Student Research Days. Annapolis, MD
19. 2007 T. Raynor, E.London, G. Lala, R Berger, A. Kohli, M. Renner, A. Jackson and T.W. Castonguay. Ad libitum access to sugar solutions in diabetic and control rats. Poster presented at the annual Bioscience Day conference, University of Maryland, College Park.
20. 2007 E.London, G. Lala, R Berger, A. Panzenbeck, A. Kohli, M. Renner, A. Jackson T. Raynor, K. Loya and T.W.Castonguay. Sucrose access and 11 β hydroxysteroid dehydrogenase-1 message in liver and adipose tissue in rats. Poster presented at the annual Bioscience Day conference, University of Maryland, College Park.
21. 2011 D.Colley and T.W.Castonguay. Sugar solutions and their impact on caloric regulation. Poster presented at the annual Bioscience Day conference, University of Maryland, College Park

i. Contracts and grants

Grants

2011-2016 Nutrition research to reduce risk of disease. USDA, ARS, Beltsville Human Nutrition Research Center Cooperative Agreement #58-1235-1-196; \$265,000/yr. Role: Principal Investigator.

2012 Supplement to Nutrition research to reduce risk of disease. USDA, ARS, Beltsville Human Nutrition Research Center Cooperative Agreement #58-1235-1-196; \$263,685/yr. Role: Principal Investigator.

2011-2012 Sugars and hypothalamic appetite regulation. Maryland Agricultural Experiment Station Competitive Grants Program \$30,000 / 1 year. Role: Principal Investigator.

2011-2012 Fructose consumption and its effects on the brain's appetite-regulating mechanisms. Division of Research DRIF Support Program \$50,000 / year. Role: Principal Investigator

2011-2012 NACS MNC Seed Grant for MRI Studies Fructose consumption and its effects on the brain's appetite-regulating mechanisms. Total request: \$12,000. Role: Principal Investigator

2012 Research and Scholarship Award. The Graduate School- Univ of Maryland. \$9,600/yr. Role: Principal Investigator.

Grants pending revision and resubmission

2008-2011 Dietary sugar, glucocorticoids, insulin resistance and obesity American Diabetes Association \$300,000 / 3 years. Role: Principal Investigator

2008-2010 High-sugar diets, obesity, and glucocorticoid dysregulation in rats American Heart Association, \$40,000 / 2 years. Role: Sponsor

2008 -2009 Whey Low and its caloric density. Maryland Industrial Partnership Program \$105,000 / one year. Role: Principal Investigator.

2007-2012 Molecular approaches to the study of obesity. National Needs Fellowship Application. United States Department of Agriculture. \$332,220 Role: Principal Investigator.

Inhibition of intracellular corticosterone and obesity. National Institutes of Health Amount \$316,180 / 2 years Role: Principal Investigator.

A novel treatment for obesity. Greater Washington Trade Board. Amount \$125,000/year Role: Co-PI with James Poulos, Director, Office of Technology Commercialization, University of Maryland

Previous Funding

2008-2009 Unrestricted gift in support of research from Vivalac, Ind., Ashton, MD \$7,000

2006-2007 11 beta Hydroxysteroid Dehydrogenase RNAi tissue specific delivery
Maryland Agricultural Experiment Station Competitive Grants Program \$20,000/one year Role:
Principal Investigator

2006 -2007 Sugar induced obesity and Whey Low. Maryland Industrial Partnership Program
\$97,778/one year Role: Principal Investigator

2005-2006 RNAi knockdown of 11 beta hydroxysteroid dehydrogenase-1 in pituitary cells.
Maryland Agricultural Experiment Station Competitive Grants Program \$20,000/one year Role:
Principal Investigator.

2005 RNAi based knockdown of 11 beta hydroxysteroid dehydrogenase-1 in pituitary cells.
General Research Board, University of Maryland Amount \$3,489 Role Principal Investigator.

2000-2004 Graduate Block Grant University of Maryland Graduate School. Amount
\$13,000/year. Role: Co-PI with P. Moser-Veillon

2002-2003 Adrenal Steroids and Obesity Center for Neuroscience University of Maryland
Amount \$6,000 Role PI

2001-2002 The effects of glucocorticoids on lipoprotein lipase mRNA in the hippocampus of the
rat. Center for Neuroscience University of Maryland pilot project Amount \$6,000 Role Co-PI
with Tom Porter.

2001 National Cancer Institute – National Institutes of Health Leptin Radioimmunoassay
contract \$1,500

2000-2001 Chronic and acute divergence from euglycemia and its effects on brain catecholamine
and indolamine metabolism. HATCH project \$4,100 Role: Principal Investigator.

1998-2000 Adrenal hormones and their effects on the neural and metabolic controls of body
weight and carcass composition. Maryland Agricultural Experiment Station Competitive Grants
Program. Amount 1998-1999 \$11,000, 1999-2000 \$25,000. Role: Principal Investigator

1996-1999 Chronic and acute divergence from euglycemia and its effects on brain
catecholamine and indolamine metabolism. HATCH project \$5,000/year Role: Principal

Investigator

1998- 1999 Hypothalamic Catecholamine Release in Response to Neuropeptide Y. Center for Comparative Neuroscience Colleges of Life Science and Behavioral and Social Sciences University of Maryland Amount: 1998-1999 \$5,000. Role: Principal Investigator

1997 Glucocorticoid control of leptin in obesity. Summer Research Award - General Research Board, University of Maryland. \$8,200 Role: Principal Investigator

1995-1997 Adrenal modulation of the mechanisms controlling food intake. Maryland Agricultural Experiment Station Competitive Grants Program Amount: \$36,000/yr Role: Principal Investigator.

1994-1995 Adrenal control of triglyceride synthesis and lipolysis. Maryland Agricultural Experiment Station Competitive Grants Program Amount:\$22,000 Role: Principal Investigator.

1991-1994 Adrenal-pancreas interactions: Intake and weight control. NIH Amount \$198,015 Role: Principal Investigator. No cost extension granted 1994-1995.

1993-1994 Glucocorticoid modulation of energy metabolism and the control of food intake. Maryland Agricultural Experiment Station Competitive Grants Program. Amount \$22,000 . Role: Principal Investigator.

1987-1993 Some physiological controls of food choice. Whitehall Foundation, Inc. Amount \$150,816 Role: Principal Investigator

1991-1993 Neuroendocrine Controls of Food Choice. Maryland Agricultural Experiment Station. Amount \$52,000 Role: Principal Investigator.

1991-1992 Insulin and dopamine: A comparative study of the regulation of food intake. Maryland Agricultural Experiment Station. Amount \$26,500 Role: Co-PI with W. Kuenzel.

1991-1992 Brain corticosterone and fat intake. College of Human Ecology Amount \$2,500 Role: Principal Investigator.

1990-1991 Neuroendocrine Controls of Food Choice. Maryland Agricultural Experiment Station. Amount \$26,000 Role: Principal Investigator.

1986-1988 Self-administration of insulin in the streptozotocin-diabetic rat. American Diabetes Association, Southern California Chapter. Amount \$24,074 Role: Co-PI with P. Dubuc, Sansum Research Foundation, Santa Barbara, CA.

1988-1989 Start-up funds University of Maryland Amount \$25,000

1987-1988 Feeding and activity pattern analyzer. NIH Shared Instrumentation grant #1 S10 RR03390-01 Amount: \$227,445 Status Role: Project Director and Co-PI with Q.R. Rogers of the Veterinary School of Medicine, University of California - Davis.

1986-1987 Carbohydrate intake in domestic cats. Companion Animal Laboratory grant, UC Davis School of Veterinary Medicine. Amount \$6,000 Role: Co-PI with Q.R. Rogers, School of Veterinary Medicine.

1986-1987 Insulin self-administration in the streptozotocin rat. Pilot study grant, Clinical Nutrition Research Unit. Amount \$7,000 Role: Principal Investigator.

1986-1990 Control of food intake: Focus on nutrition and behavior. National Institutes of Health Public Health Service Training grant #T32DK07355. Amount: \$824,683 Role: Co-Investigator
1984-1988 Physical activity, pancreatic function and obesity. National Institutes of Health Grant #DK18899 Amount \$341,259 Role: Co-Investigator.

1982-1984 The effects of anorectic agents on the meal patterns and selection patterns of lean and obese Zucker rats (Parts 1 and 2). Hoffmann-LaRoche Inc. Amount: \$10,000 Role: Co PI with J.S. Stern, Nutrition Department, University of California - Davis.

Grants Submitted, Not Funded and Pending Revision and Resubmission

2004 Glucocorticoids and diet-induced obesity. National Institutes of Health Amount \$1,041,260 / 4 years Role: Principal Investigator.

2004-2005 11 beta Hydroxysteroid Dehydrogenase-1 knockdown as a treatment for obesity TEDCO University Technology Development Fund grant. Amount \$50,000/ 6 months Role: Principal Investigator (Award pending funding Oct 2004)

2003 American Diabetes Association. 11 β Hydroxysteroid Dehydrogenase-1 and Obesity. Amount \$300,000 / 3 years. Role: Principal Investigator

2002 United States Department of Agriculture National Research Initiative. High fat diets, glucocorticoids and obesity Amount \$311,356 / 3years. Role: Principal Investigator.

2002-2005 Leptin stimulates hypothalamic interleukin-1 beta National Institutes of Health Amount \$550,000 Role Co-PI

2001-2004 Glucocorticoids and the control of food intake. USDA Competitive Grants Program National Research Initiative. \$314,835. Role: Principal Investigator

1999 Adrenal hormones and obesity. USDA National Research Initiative Competitive Grants

Program. Amount: \$285,363

1999 Leptin as a modulator of nutrient partitioning during lactation. United States Department of Agriculture Amount: \$521,532 Role: Co-Principal Investigator

1998 Adrenal hormones and dietary obesity. National Institutes of Health Amount: \$657,515 Role: Principal Investigator

1998 Diet, alcohol and stress responsivity. Alcoholic Beverage Medical Research Foundation Amount: \$90,269 Role: Principal Investigator

1997 Adrenal-pancreas interaction: Intake and weight control. National Institutes of Health Amount: \$626,447 Role: Principal Investigator

1997 Leptin as a modulator of nutrient partitioning during lactation. United States Department of Agriculture Amount: \$521,532 Role: Co-Principal Investigator

1997 Leptin as a modulator of nutrient partitioning during lactation. Maryland Agricultural Experiment Station Competitive Grants Program Amount: \$50,000 Role: Principal Investigator

NIMH Submitted 2/91 Insulin and brain dopamine - new insights. Amount \$415,728 9/918/94. Role: Principal Investigator. Status - Approved but not funded.

NIH Submitted 9/89 Some metabolic controls of meal initiation. Amount \$455,174 12/9011/93. Role: Principal Investigator. Status - Approved but not funded.

USDA Submitted 2/91 Neuroendocrine controls of food intake. Amount \$287,205 6/91-5/94. Role: Principal Investigator. Status - not funded.

National Dairy Council. Letter of intent submitted Feb, 1991. Not approved.

Insulin self-administration and dopamine. NSF Submitted 11/89 Amount \$166,664 7/90-6/92. Role: Principal Investigator. Status - not funded.

1988 Some metabolic controls on dietary fat intake. International Life Sciences Institute - Nutrition Foundation. Amount \$99,000 Role: Principal Investigator. Status: Not Funded. First Submitted: Fall, 1988.

1988 Self-administration of insulin in the diabetic rat. Diabetes Research and Education Foundation. Amount \$20,000 Role: Principal Investigator. Status: Not Funded. First Submitted: Fall, 1988.

1985 Pre-weaning nutrition and its interaction with genetic obesity: Effects on adult caloric regulation. Submitted to the National Institutes of Health #1 R23 AM31193-OIA1. Amount

\$102,279 Status: Approved but not funded. Priority score 185. Role: Principal Investigator. First Submitted: Fall, 1985.

1983 Prewaning nutrition and adult obesity and calorie control. Submitted to the National Science Foundation NSF # BNS-8300625. Amount \$107,500 Status: Approved but not funded Role: Principal Investigator. First Submitted: Fall, 1983.

1986 Obesity and activity: Adrenal Modulation. Submitted to the National Institutes of Mental Health Small Grants Program. Amount \$15,000 Status: Approved but not funded. Priority Score 171. Role: Principal Investigator. First Submitted: Spring, 1986.

1983 Mechanisms of nutrient selection. Submitted to the United States Department of Agriculture #GAMO 8300381 Amount: \$376,548 Status: Approved but not funded. Role: Co-PI with J.S. Stern and Q.R. Rogers, University of California - Davis. First Submitted Fall, 1983.

1984 Cancer and its effects on dietary component selection and caloric regulation in rats. University of California Cancer Research Coordinating Committee. Amount: \$16,673 Status: Not Funded Role: Principal Investigator. First Submitted: Spring 1984.

1985 The sweet tooth and corticosterone: A mechanism for the onset of obesity. The Sugar Foundation. Amount \$5,675 Status: Not funded. Role: Co-PI with J.S. Stern, Nutrition Department, University of California - Davis. First Submitted, Spring 1985.

k. Editorships, Editorial Boards and Reviewing Activities for Journals

2008 to present	Editorial Advisory Board Member, <u>Recent Patents on Food, Nutrition & Agriculture</u>
1989 to present	Editorial Board Member, <u>Physiology and Behavior</u>
1991 to 1995	Editorial Board Member, <u>American Journal of Physiology</u>
1988-1990	Editor-in-Chief <u>SSiblings</u> - The official newsletter of the Society for the Study of Ingestive Behavior.
1987-1988	Associate Editor - <u>Behavioral and Brain Sciences.</u>

PROFESSIONAL SOCIETIES

American Institute of Nutrition, regular member since 1985.

Society for the Study of Ingestive Behavior, Founding member, 1986 to present.

Society for Neuroscience, regular member since 1986.

International Brain Research Organization, regular member since 1987.

International Behavioral Neuroscience, regular member since 1992.

TEACHING & ADVISING

a. Courses taught in the last five years.

i. General

Spring 2007

NFSC 450	Food and Nutrient Analysis	11 students
NFSC 100	Elements of Nutrition	

Fall 2007

NFSC 498B	Dieting and the Science of Weight Loss	19 students
NFSC 630	Energy Balance	6 students
NFSC 498A	Selected topics in Nutrition	3 students

ii. Specialized

Fall 2005

NFSC630	Nutritional Aspects of Energy Balance	6 students
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iii. General Honors

none

iv. Independent Study, Tutorial (other than research direction)

b. Course or Curriculum Development

Developed FOOD 670 Food Related Behavior - Spring, 1989

Developed NUTR 630 Energy Balance - Fall 1989

Developed & Adapted NUTR 660 Research Methods - Spring, 1990

Developed team-taught NUTR 100 -- Fall, 1992

Developed NFSC 450 Food and Nutrient Analysis - Spring 1997

e. Advising - Other than research

i. Undergraduate -

1988	none
1989	5 students
1990	5 students
1991	8 students
1992	5 students
1993	4 students

1994 3 students
1995 4 students
1996 4 students
1997 4 students
1998 8 students
1999 8 students
2000 4 students
2001 9 students
2002

ii. Graduate

1988 none
1989 3 students
1990 4 students
1991 5 students
1992 6 students
1993 5 students
1994 1 student
1995 5 students
1996 5 students
1997 5 students
1998 5 students
1999 6 students
1999 4 students
2000 5 students
2001 5 students
2002 5 students
2003 1 student
2004 1 student
2005 1 student
2006 1 student
2007 1 student
2008

iii. Faculty advisor - Food and Nutrition Club 1989-1990

f. Advising: Research Direction

i. Undergraduate

Joseph Valeri 1988-89
Susan Kramlik 1988-89
Maurice Shoals 1989
Jill Latteman 1989-90
Tung Ton 1988-90
Jessica Nyugen 1989-91
Kien Tran 1989-90
Jeannine Bernardini 1991-92
James Walker 1992-93

James Wang 1992-93
Kathleen St. John 1993-94
Ali Moshirfar 1993-94
Houman Bozorgzadeh 1994-95
Kimberly DeOre 1994-95
Jeanine Williams 1994
Mi Cho 1994
Ming Nang 1996
Julie Chan 1996
Gregory Charney 1996

Felix Wang 1996
Matthew Lee 1996
Brian Blount 1995-1996
Janet Lee 1996-1997
Robin Wallace 1996
Lisa Wu 1996-1997
Sharam Khozin 1996-1997
Monica Powell 1998-1999
Sin Kei Yeung 1998-2000
Mustansir Yousuf 1998-1999
Mahesh Tawney 1998-1999
Francine Jacobs 1998-1999
Michelle Nguyen 1999-2000
Jennifer Craten 1998-2000
Mary Oluwatimilehin 2000-2001
Michael Vallederes 2000-2001
Meryl Lubran 2001-2002
Aimee Morin 2003-2004
Jaime Moore 2004-2005
Dawit Mengesha 2004- 2006
Alyma Kamara 2005-2006
Andrea Jackson 2005-2006
Alison Hoffman 2006
Erin Braunscheidel 2006
Tyana Raynor 2006-2007
Katherine Loya 2006-2007
Reisel Berger 2006-2007
Amy Panzenbeck 2006
Michael Renner 2006-2008
Anita Kohli 2006-2008
Nicole DePue 2007-2008
Andrew Scholl 2007-2009
Biang Jiang 2008-2011
Jasjeet Khural 2008-2011
Armineh Ghazarian 2009-2010
Eric Campbell 2011
Joshua Atere 2011 to present
Alicia Jacobson 2011 to present
Daniel Yi 2012 to present

ii. Graduate

Master's Degree Candidates:

Victoria Willer 1982-84 M.S. Thesis: Flavor, forced choice and deprivation affect corticosterone selection by the adrenalectomized rat - Degree awarded Spring, 1984 U.C. Davis.

Tracy N. Sklar 1985-87 M.S. Thesis: The effect of adrenalectomy in rats offered a thirty-two percent sucrose solution. Degree awarded Spring, 1987 U.C. Davis.

Lori Ann Roth 1985-87 M.S. Thesis: Effects of adrenalectomy on activity, appetite, and weight gain in the male Zucker rat. Degree awarded Spring, 1987 U.C. Davis.

David Olson 1986-88 M.S. Thesis: Effect of acute adrenocorticotrophic hormone (ACTH administration on food intake of adrenalectomized and intact obese Zucker rats. Degree awarded Spring, 1989 U.C. Davis

Noreen Gallo 1986-88 M.S. Thesis: The metabolic effects of intestinal bypass in rats. Degree awarded Spring, 1989 U.C. Davis.

Marie DeStefano 1988-1991 M.S. Thesis: Effect of chronic insulin administration on food intake and body weight in rats. Degree awarded Spring, 1991 UMCP

Susan Kramlik 1989-1992 M.S. Thesis: The effects of the acute administration of RU 486 on dietary fat preference in fasted lean and obese men Degree awarded Spring, 1992 UMCP

Lisa Terranella 1994 M.S. Thesis: Corticosterone and its role in the control of gluconeogenesis in starved and fed rats. 1994 UMCP

Graeme Potter 1994 M.S. Thesis: Glucoregulation and dopamine release. 1994 UMCP

Heather Furner 1996 M.S. Thesis: Corticosterone and Low and High saccharine preferring rats. 1996 Occidental College

Tina Habash 1999 M.S. Thesis: Some interactions of glucocorticoids, NPY and hypothalamic serotonin. 1999 UMCP

Hongjie Bai 2000 M.S. Thesis: Effects of adrenalectomy and hormone replacement on B6C3F1 mice fed a high fat diet 2000 UMCP

Gemmill, Mary E. 2001 M.S. Thesis: Effect of leptin on food intake and body weight in adrenalectomized rats with corticosterone replacement 2001 UMCP

Cole, Cynthia E. 2003 M.S. Thesis: The effects of high fat diet and adrenalectomy on Type 1 glucocorticoid receptors in the brain. 2003 UMCP

Parsons, Erica Z. 2006 M.S. Thesis topic: 11β Hydroxysteroid Dehydrogenase Type 1 in obese and lean Zucker rats. 2006 UMCP

Colley, Danielle 2011 to present M.S. Thesis topic: Fructose and hypothalamic appetite regulation.

Played major role in developing, conducting or analyzing theses:

K Fowler, Spring '93 - UMCP
KE. Seidel, Spring '90 - UMCP

Doctoral Degree Candidates:

Mary Ellen Bligh 1989-1992 Ph.D. Dissertation: The effects of chronic cold stress on adrenal hormones and macronutrient choice. Degree awarded Fall, 1992 UMCP

Orrawin Trocki 1991-1993 Ph.D. Dissertation: Glucocorticoid modulation of dietary obesity. Degree awarded Fall, 1993 UMCP

Carol Hamelink 1992-1999 Ph.D. Dissertation: Stress, alcohol, and the glucocorticoid receptor. Degree awarded Spring, 1999 UMCP

Lynda M. Brown 1995 – 2003 Ph.D. Dissertation: The effects of genetic background and adrenalectomy on the obese phenotype and hypothalamic neuropeptide expression in corpulent (cp) rats and agouti (Avy) mice. 2003 UMCP

Edra London 2006 – 2009 Ph.D. Dissertation: 11β Hydroxysteroid Dehydrogenase Type 1 in obesity. 2009 UMCP

Geeta Lala 2007 to 2009. Doctoral student. Graduate Program in Nutrition

Jayne Leger 2007 to present. Doctoral student. Graduate Program in Nutrition

Played major role in developing, conducting or analyzing dissertation:

G. Schlabach - Kinesiology Dept. UMCP Dissertation title: The effects of training and detraining on corticosterone rhythms and dietary fat selection in the Osborne-Mendel rat. Degree awarded Spring, 1991

Dissertation Committee member:

Ann Beth Jenkins 1992 Ph.D. Dissertation topic: Image analysis in woven fabric manufacture. Department of Textiles and Consumer Economics.

Youngjoo Na 1994 Ph.D. Dissertation topic: Effects of web density and fiber orientation on pore characteristics of aramid and simulated nonwoven fabrics Department of Textiles and Consumer Economics.

Zhiqiang Fan 1994 Ph.D. Dissertation topic: Site-directed mutagenesis of the human insulin receptor. Department of Nutrition and Food Science.

Courtney DeVries 1994 Ph.D. Dissertation topic: Adrenal steroids and their effect on prairie vole monogamy. Department of Zoology.

Erin E. Connor 1997- 2000 Ph.D. Dissertation topic: Use of physiological indicators in evaluating genetic merit of beef bulls. Department of Animal and Avian Sciences

Ratna Mukherjea 1997-2001 Ph.D. Dissertation topic: The effect of pregnancy and lactation on circulating leptin. Department of Nutrition and Food Science

Gregory F. Martel 1996-1998 Ph.D. Dissertation topic: The effects of high volume, heavy resistance unilateral strength training on fiber characteristics in younger and older men and women. Department of Kinesiology.

Patricia Gordon 1999-2001 Ph.D. Dissertation topic: Alpha Tumor necrosis factor and strength training in elderly men and women. Department of Kinesiology

Beilei Ge 2000-2002 Ph.D. Dissertation topic: Characterization and antimicrobial resistance of *Campylobacter* isolated from retail meats. Department of Nutrition and Food Science.

Xiaoqin Fu 2000-2003 Ph.D. Dissertation topic: The effects of steroid hormones on prolactin expression in rat pituitary cell lines and chicken embryonic pituitary cells. Department of Animal and Avian Sciences.

Nancy Hall 2000-2003 Ph.D. Dissertation topic: Randomization and Sir Ronald Fisher. Graduate Program in History and Philosophy of Science

Sultan Jenkins 2000-2006 Ph.D. Dissertation topic: Factors affecting growth and adiposity in chickens. Department of Animal and Avian Sciences

Rachel Quinn 2003 – 2007 PhD Dissertation topic: Starvation and refeeding in horses. Department of Animal and Avian Sciences

Mardi Byerly 2003- 2007 Ph.D. Dissertation topic: Factors affecting growth and adiposity in chickens. Graduate Program in Neuroscience and Cognitive Science.

Juen Guo 2001-2004 Ph.D. Dissertation topic: Nutritional factors affecting body composition in cattle. Department of Animal and Avian Sciences

Ashley Peterson 2002- 2006 Ph.D. Dissertation topic: Department of Animal and Avian Sciences

Michael Muchow 2004 -2006 Ph.D Dissertation topic: Factors affecting growth and adiposity in chickens. Graduate Program in Molecular and Cell Biology

Sheng Chen 2002-2004 Ph.D. Dissertation topic: Characterization and molecular mechanisms of antimicrobial resistance in foodborne pathogens. Graduate Program in Food Science.

Josef Brandauer 2003-2004 Ph.D. Dissertation topic: Effect of endurance exercise training on postprandial plasma adiponectin levels. Graduate Program in Kinesiology.

Sarah Ivan 2005 to present Ph.D. Dissertation topic: Nitrogen balance in dairy cows Department of Animal and Avian Sciences.

Yifan Zhang 2004-2005 PhD Dissertation topic: Antimicrobial resistance of *Listeria monocytogenes* and *Enterococcus faecium* from food and animal sources. Graduate Program in Food Science.

Youngjoo Kwon 2003-2005 PhD Dissertation topic: Effect of aging on colonic chemoprevention by dietary curcumin Graduate Program in Food Science

Shane Ardo 2005 Master thesis. Characterization of olive oils commercially available in the United States. Graduate Program in Nutrition.

Marla Luther 2007- 2008 PhD Dissertation topic: Promoting the production and consumption of wheat-based functional foods rich in antioxidants. 2008 UMCP

Tina Ellis 2005-2007 PhD Dissertation topic: Exercise training and blood lipids. Graduate Program in Kinesiology

Nishanth E. Sunny 2006 -2007 Ph.D. Dissertation topic: Intermediary metabolism in chickens. Graduate Program in Animal and Avian Sciences.

Patricia Carrera 2006 to present Ph.D. Dissertation topic: Obesity in Hispanic women. Graduate Program in Nutrition.

Shashidara Rudrappa 2007 PhD Dissertation topic: Nutritional immunology in the developing chick. Graduate program in Animal and Avian Sciences.

Sarah Camhi. 2006 to 2008 Ph.D. Dissertation title: The independent and combined effects of low fat diet and exercise on a C-reactive protein and metabolic syndrome: Findings from a randomized controlled trial. Graduate Program in Kinesiology.

Kristina Heuck 2006 to 2010 Ph.D. Dissertation topic: Glucocorticoids in the developing chick. Graduate program in Animal and Avian Sciences.

Laura E Ellestad 2005 to 2010 Ph.D. Dissertation topic: Gene expression profiling in the developing neuroendocrine system of the chick. Graduate program in Animal and Avian Sciences.

Saruchi Mishra 2006 to 2010 PhD Dissertation topic: Obesity in ethnic minorities in the Washington DC area Graduate Program in Nutrition.

Diwaker Vyas 2007 to present PhD Dissertation topic: DeNovo synthesized fatty-acids (DNFA) as regulators of milk fat synthesis. Graduate program in Animal and Avian Sciences.

Xiaodong Xia 2008 to 2010 PhD Dissertation topic: Identification and characterization of pathogenic E coli in retail meats. Graduate program in Food Science.

David Ingram 2005 – 2009 PhD Dissertation topic: Implications of Foodborne pathogen survival during production and pre-harvest application of Compost and Compost Tea. Graduate Program in Food Science. 2009 UMCP.

Raymond C. Merritt, Jr. 2009 Dissertation topic: Myosins IIIA and IIIB regulate stereocilia length by transporting espin1 to the polymerizing end of actin filaments. Graduate program in Biology 2009 UMCP.

Emilee Senkevitch 2009 to present PhD Dissertation topic: The role of arginine in T cell function. Graduate program in Molecular and Cell Biology.

Patrick D. Williams 2008 to 2011 PhD Dissertation topic: Characterization of physicochemical properties of xanthan/curdlan hydrogel complex for applications in frozen food products. Graduate program in Food Science.

Margaret Mary Slavin. 2008 to 2011 Ph.D. Dissertation topic: Value added factors in soybeans. Graduate program in Food Science.

Avani Mukesh Sanghvi 2008-2009 Master's thesis topic: Characterization of algal biomeal for applications in food. Graduate program in Food Science.

Boce Zhang 2010-present PhD dissertation topic: Silver-Zein composites as antimicrobial agents. Graduate Program in Food Science

SERVICE

a. Professional

i. Offices and committee memberships held:

2012 to present	Nutrition and Food Studies Advisory Committee, George Mason University, Fairfax, VA
2010	Area of Expertise Working Group committee member – Society for Neuroscience
2002 – 2006	Ad hoc Electronic Initiatives Committee member, Society for Neuroscience
1999 – 2003	Long-range Planning Committee, Society for the Study of Ingestive Behavior
1999 – 2002	Strategic Planning Committee, Society for the Study of Ingestive Behavior
1995 to 1999	Neuroscience and Nutrition Research Interest Group Correspondent, American Society for Nutritional Sciences
1994-1997	Treasurer, Society for the Study of Ingestive Behavior
1995-1997	Board of Advisors - Nutrition and Neuroscience Research interest Group - American Society for Nutritional Sciences
1990 to 1998	Steering/Advisory committee - Center for Cognitive and Neural Sciences, University of Maryland at College Park.
1996	Chairman, Organizing Committee, Annual Society for the Study of Ingestive Behavior meeting, Alexandria, VA
1989-1991 and reelected 1992-1995	Board of Directors, Society for the Study of Ingestive Behavior.
1994-1995	Organizing Committee, Joint meeting of the Society for the Study of Ingestive Behavior and the North American Association for the Study of Obesity Baton Rouge, LA

- 1993 Organizing Committee, Society for the Study of Ingestive Behavior, Alexandria, VA
- 1992 Organizing Committee, Society for the Study of Ingestive Behavior, Princeton, NJ.
- 1991 Organizing Committee, Hunger and thirst: Peripheral and central mechanisms and clinical implications. San Antonio, TX
- 1991 Organizing Committee, Joint meeting of the North American Association for the Study of Obesity and the Society for the Study of Ingestive Behavior. Sacramento, CA
- 1988-1990 Publicity Committee Chairman - The Society for the Study of Ingestive Behavior.
- 1989 Organizing Committee, North American Association for the Study of Obesity annual meeting. Bethesda, MD. 1989.
- 1987 Organizing Committee, Satellite Symposium of the Annual Meeting of the Society for Neuroscience, San Antonio, Texas.
- 1986-1987 Organizing Committee founding the Society for the Study of Ingestive Behavior.
- 1987 Organized and Co-chaired (with Judith S. Stern) FASEB symposium "The physiological control of food choice" April, 1987.
- 1985 Organizing Committee, Satellite Symposium of the Annual Meeting of the Society for Neuroscience, San Antonio, Texas.
- 1984 Organized and chaired Satellite Symposium "Neural and Metabolic Bases of Feeding" October, 1984. Collected papers from the above conference and served as editor of the May, 1985 issue of Brain Research Bulletin.

ii. Unpaid reviewing activities:

Served as a reviewer for the following peer-reviewed scientific journals during the past 5 years:

Journal of Nutrition
American Journal of Physiology
Physiology and Behavior
Appetite
Life Sciences
American Journal of Clinical Nutrition
Neuroendocrinology
British Journal of Nutrition
Proceedings for the National Academy of Science

iii. Other unpaid services to local, State and federal agencies.

National Institutes of Health – Special Emphasis Panel member – Fellowship competition
– NIDDK 2009-2010

National Institutes of Health – Special Emphasis Panel member – Clinical Nutrition
Research Unit Core Centers – NIDDK 2006-2007

National Institutes of Health – Special Emphasis Panel member – Clinical Nutrition
Research Unit Core Centers – NIDDK Fall 2005

U.S. Department of Agriculture - National Research Initiative Competitive Grants
Program - Study Section – ad hoc reviewer - Fall 2005

Howard Hughes Medical Institute – Undergraduate Fellowship Program - Scientific
reviewer – Fall 2004 and Summer, 2005

U.S. Department of Agriculture - National Research Initiative Competitive Grants
Program - Study Section – Ad hoc reviewer - Spring 2004

National Institutes of Health – Regular Study Section member – Minority Biomedical
Research Support Subcommittee B – February 2003

National Institutes of Health - Regular Study Section member - Small Business
Innovative Research - Fall 2000

National Institutes of Health - Regular Study Section member - Small Business

Innovative Research - Summer 2000

U.S. Department of Agriculture - National Research Initiative Competitive Grants Program - Study Section - Regular member - Spring 2000

Maryland Institute for Agriculture and Natural Resources
1993 Study section member - Competitive Grants Program

National Science Foundation - External Grant reviewer 1988

U.S. Dept Agriculture - External Extramural grants program proposal reviewer 1990

Board of Regents - State of Louisiana - External grant reviewer 1990-1998

National Research Council of Canada - External grant reviewer 1992

U.S.D.A. - Beltsville - Human Nutrition Research Center program reviewer 1993-94

Department of Veteran Affairs - Washington, D.C. Review Medical Research Service nominees for promotion.

National Institutes of Health - Ad Hoc Study Section member - Neuroscience II 1995

National Institutes of Health - Ad Hoc Study Section member - Minority Research Career Program - 1996

vi. Paid Consultancies:

Burson-Marsteller Inc., New York, NY 1986 Assisted in the production and release of a short film focusing on proper nutrition, exercise and obesity.

Physiology Department, Baylor College of Dentistry, Dallas TX, 1987. Designed and assembled an automated food intake monitoring system.

Louisiana State Board of Regents, Baton Rouge, L.A 1990. Reviewed grant proposals submitted to the Board of Regents.

Saunders College Publishing, Philadelphia PA Reviewed Introductory Nutrition textbook - 1994.

Leveille Associates, Danville NJ Provided expert opinion on bioactive foods and herbal supplements and their impact on the neurochemistry of mood. 1999.

Wadsworth Thompson Learning Inc. Member of a focus group reviewing Introductory Nutrition textbook. 2003 - 2004

John Wiley and Sons. Reviewed Introductory Nutrition textbook – 2004

McGraw-Hill Publishing Inc. Member of a focus group reviewing Introductory Nutrition texts and media. 2004.

United States Food and Drug Administration, College Park, MD. Delivered a series of 5 lectures on Food Analysis for the FDA Staff College. 2004 and again in 2005

Amylin Pharmaceuticals, Inc. San Diego CA 2005 - 2006 Assisted in the development of methods for measuring food intake in rats.

Pearson Publishing, Columbus, OH 2007 Assisted in the development of new Introductory Nutrition Text.

Ajinomoto Corporate Services LLC 2007 Washington DC. Assisted in the development of a new weight loss nutrient supplement.

AOAC International 2011 Rockville Maryland. Served as a voting stakeholder panelist on Strategic Food Analytical Methods (SPSFAM) to develop standards for antioxidants, contaminants, flavonoids, and modernizing methods for raw ingredients in food.

b. University of Maryland Committee Service

i. Department

1988 - present	Departmental Animal Facility coordinator
2009 - present	Departmental Advisory Committee
2008	Chair – Departmental Planning Committee
2007	Chair – Search committee for Student Coordinator
2005-present	Departmental Compliance Officer
2005	Chair – Promotion and Tenure Committee for Bernadene Magnuson
2005	Member – Promotion and Tenure Committee for Jianghong Meng
2005	Chair – Promotion and Tenure Committee for Cheng-I Wei
2005	Chair – Promotion and Tenure Committee for M. Parish
2004	Chair – Promotion and Tenure Committee for R. Jackson
2004	Chair - Faculty Advisory Committee
2003	Department Promotion and Tenure Committee
2001-2002	Chair- Dept Promotion and Tenure Committee
1999-2001	Department Promotion and Tenure Committee
1998-1999	Chair, Department Search Committee
1997-1998	Departmental Safety Officer
1996	Chair, Department Search Committee

1988 to 1994	Department Computer Committee
1988-1992 & 1993-1994	Department Search Committee
1992-1993	Graduate Nutrition Program Faculty Advisory Committee (elected).
1988 to 1990	Human Subjects Review Committee

ii. College

a. College of Human Ecology

1988 to 1992 (Chair 1990 to 1992)	College Computer Committee
1988 to 1992	Dean's Research Advisory Committee
1991-1992	College Reorganization Committee

b. College of Agriculture and Natural Resources

1993	Restructuring Committee
1994	Strategic Planning Committee
1997 -1998	PCC committee
1998-1999	Chair, PCC committee
1999-2001	Promotion & Tenure committee
2003-2005	Ag Council Faculty Advisor
2003	Ad Hoc selection committee member for Outstanding Advisor – COANR
2004	AGNR 101 Development Committee

iii. Campus and University

2011	Judge – Bioscience Day
2008 to present	Member of the Animal Resource Advisory Committee
2007	Judge – Bioscience Day
2005-2006	Search Committee member – Dean, Graduate School
2005-2006	Member of the Vice President of Research's Ad Hoc committee on Campus Animal Facility upgrades – AAALAC accreditation
2003	Judge – Bioscience Day
2003-2005	Search Committee member – Dean, College of Agriculture and Natural Resources

2000-2002	Chair, Programs Courses and Curricula Committee University of Maryland Graduate School
2000-2002	Executive Committee - Neural and Cognitive Sciences Program
1999	Graduate Research Board review committee
1998	Graduate Program Review Committee
1996 – 1999	Graduate School Fellowship Committee
1997 – 1998	Executive Committee – Neural and Cognitive Sciences Program
1991 - 1994	Department representative to the Academic Senate
1992 - 1994	Faculty Affairs Senate Subcommittee.
1988 to 1995; Chair 1992-1995	Animal Care and Use Committee.
1993-1994	Zoonotic Disease Subcommittee of the ACUC-BACH committees
1989-1992	Campus Computer Coordinating Committee
1989	Search Committee - Maryland Agricultural Experiment Station Associate Director
1988-1991	Neuroscience program - Ad Hoc Publicity Committee
1993 –1996	Steering Committee member - Center for Cognitive and Neural Sciences