

## CURRICULUM VITAE AND BIBLIOGRAPHY

DATE: September 1, 2009

**NAME:** MARILYN S. EDWARDS, PH.D., R.D.

**PRESENT TITLE:** Professor of Nutrition and Preventive Medicine

**ADDRESS:** The University of Texas Medical School  
Department of Internal Medicine  
Division of Gastroenterology, Hepatology, and Nutrition  
6431 Fannin, MSB 4.234  
Houston, Texas 77030

**CITIZENSHIP:** U.S.A.

### UNDERGRADUATE EDUCATION:

University of Wyoming (B.S. Dietetics, 1972)

### GRADUATE EDUCATION:

Colorado State University (M.S. Food Science & Nutrition, 1973)  
Colorado State University (Ph.D. Human Nutrition, 1982)

### CLINICAL TRAINING:

1972 - 1973 Presbyterian Medical Center, Denver, Colorado

### POST GRADUATE TRAINING:

1976 - 1978 Graduate Teaching Assistant, Department of Food Science &  
Human Nutrition, Colorado State University

1978 - 1980 Graduate Research Assistant, Department of Food Science &  
Human Nutrition, Colorado State University

### PROFESSIONAL CERTIFICATION & LICENSURE:

1993 American Board of Nutrition, Specialist in Human Nutrition, #H-509  
1986 Texas Department of Health, Licensed Dietitian (L.D.) #DTO4762  
1975 American Dietetic Association, Registered Dietitian (R.D.) #R394371

## **ACADEMIC APPOINTMENTS & PROFESSIONAL POSITIONS:**

- 2007 - Professor of Nutrition and Internal Medicine, Department of Internal Medicine, University of Texas Medical School at Houston
- 1996 - 2006 Associate Professor, Division of Gastroenterology, Hepatology, & Nutrition; Department of Internal Medicine; University of Texas Medical School at Houston
- 1990 - 1996 Associate Professor, Department of Nutrition & Dietetics, School of Allied Health Sciences, University of Texas Health Science Center at Houston
- 1994 - 1995 Visiting Lecturer, Department of Human Performance & Health Sciences, Rice University, Houston, TX.
- 1982 - 1990 Assistant Professor, Department of Nutrition and Dietetics, School of Allied Health Sciences, University of Texas Health Science Center at Houston
- 1984 - 1996 Associate Faculty Member, Graduate School of Biomedical Sciences, University of Texas Health Science Center at Houston
- 1980 - 1981 Clinical Nutrition Specialist, Nephrology & Renal Transplant Rochester Methodist Hospital and liaison nutritionist to Mayo Clinic, Rochester, MN.
- 1973 - 1976 Instructor of Foods & Nutrition, Department of Home Economics, University of Minnesota, Duluth, MN.
- 1974 - 1975 Clinical Dietitian, St. Luke's Hospital, Duluth, MN and Consultant Dietitian, Two Harbors Hospital and Nursing Home, Two Harbors, MN.

## **PROFESSIONAL AFFILIATIONS & MEMBERSHIPS:**

Federation of American Societies in Experimental Biology (FASEB) 1984 - present  
American Society for Nutrition (ASN) (formerly AIN, ASNS) 1984 - present  
American Society for Clinical Nutrition (ASCN) 1995 - present  
American Board of Nutrition – Diplomat 1993 - present  
American Dietetic Association (ADA) 1975 - present  
American College of Nutrition - Fellow 1996 - present  
North American Association for the Study of Obesity (NAASO) 1991 - 1998  
Sigma Xi, Rice University/Texas Medical Center Chapter 1983 - 1990

## **HONORS & PERFORMANCE AWARDS:**

Principal Investigator - Nutrition Academic Award, National Heart, Lung, and Blood Institute, 2000-2007.  
Distance Education/Virtual University Task Force Award, Office of Information Technology, University of Texas System, 1997-1998.  
Faculty Fellowship in Web-based Courseware Development, Office of Educational Development & Research, UT-Houston, 1997.  
Fellow, American College of Nutrition, 1996.  
Diplomat, American Board of Nutrition, 1993.  
Tenure awarded, University of Texas Health Science Center, 1990.  
McGovern Award for Teaching Excellence nominee, School of Allied Health Sciences, University of Texas Health Science Center, 1988.  
Dean's Teaching Excellence Award, University of Texas Health Science Center - Houston, 1985, 1986, 1987, 1988.  
Teaching Excellence Award, University of Minnesota, 1975.  
Education Development Program Fellowship, Colorado State University, 1972-1973.

## **EDITORIAL POSITIONS:**

Journal Reviewer:

Journal of the American Dietetic Association (1988-2006)  
Circulation (1995-2005)  
Advances in Physiology Education (2004-2005)

Book chapter and CME reviews:

*Medical Nutrition and Disease*, 3<sup>rd</sup> Edition, Hark, L. and Morrison, G. Blackwell Publishers, 2003. Chapters and clinical case study review.  
*American Pharmaceutical Association: Handbook of Nonprescription Drugs*, 14<sup>th</sup> Edition, 2003; 15<sup>th</sup> Edition, 2005. Chapter Review: "Meal and Performance Enhancers"; "Sports Nutrition and Performance Enhancing Foods"  
*Cardiovascular Nutrition*, The American Dietetic Association, 2004. CME materials review

## **ADVISORY POSITIONS:**

External Advisor to the Nutrition in Medicine Program, University of North Carolina, Chapel Hill (2004-2010).

Core Advisor to the Aspen Institute for the Health, Biomedical Science, and Society Initiative – Aspen Institute Nutrition Summit – Summer 2007 (2006-2008).

**SERVICE ON NATIONAL GRANT REVIEW PANELS, STUDY SECTIONS, COMMITTEES:**

NHLBI Pathways to Independence Award (K99/R00) Special Emphasis Panel (2006-2008)

NIH Study Section, Center for Scientific Review: Neurological, Aging, and Musculoskeletal Epidemiology (NAME – formerly ECDA) (2005-2007)

NIH Study Section, Center for Scientific Review: Epidemiology of Clinical Disorders and Aging (ECDA) (2002-2005)

NIH National Institute of Aging – ad hoc reviewer for Aging Through the Lifespan RFA (2005)

NIH Health of the Population Integrated Review Group – Community-Level Health Promotion Study Section, Center for Scientific Review (2004)

NIH NHLBI ad hoc reviewer for ‘Obesity Control in the Workplace’ RFA (2004)

National Institute of Occupational Safety and Health/National Occupational Research Agenda (NIOSH/NORA) Review panel (2004)

National Heart, Lung, and Blood Institute – Nutrition Academic Award Executive Committee (2003-2006)

National Heart, Lung, and Blood Institute – Nutrition Academic Award Steering Committee (2000-2006)

NHLBI Nutrition Academic Award – Nutrition Education and Research Development Committee (2000-2003, chair 2003-2005)

NHLBI Nutrition Academic Award – Graduate Medical Education Committee (2000-2005)

NHLBI Nutrition Academic Award – Curriculum Committee (2000-2005)

American Dietetic Association – Nutrition Educators of Health Professionals, Co-Chair, Nominating Committee (2003-2004)

American Society for Clinical Nutrition – Committee on Professional Nutrition Education (2005-2006)

American College of Nutrition – Committee on Medical Nutrition Education (1996-1999)

**SERVICE ON UNIVERSITY OF TEXAS HEALTH SCIENCE CENTER (UTHSCH) COMMITTEES:**

Member, Committee for Protection of Human Subjects - Institutional Review Board 1989 – 2002 and reappointed for 2006-07 – review research protocols, attended monthly meetings and annual IRB retreats and courses

Member, Animal Welfare Committee 1990 - 2000 – reviewed research protocols and attended monthly meetings; participated in semi-annual site inspections for animal facilities at the Medical School, Dental School, School of Public Health, Mental Sciences Institute, and Texas Biotech Corporation

Member, Interdisciplinary Training & Education Task Force 1996 - 1999

Member, Awards Committee 1996 - 1997

Member and SAHS representative, Interfaculty Council 1994 - 1995

Member, Committee on Aging 1983 - 1991 – worked toward the development and establishment of the Center on Aging at the UT School of Nursing

## **SERVICE ON UNIVERSITY OF TEXAS SCHOOL OF ALLIED HEALTH COMMITTEES:**

Member, Appointments, Promotions, and Tenure Committee 1992 – 1995  
Member, Faculty Affairs Committee 1992 - 1994  
Chair, Laboratory Safety Committee 1989 - 1992  
Member, Curriculum Committee 1988 - 1990  
Member, Admissions Committee 1984-1987  
Member, Student Affairs Committee 1982 - 1984

## **SERVICE ON UNIVERSITY OF TEXAS MEDICAL SCHOOL (UTMSH) COMMITTEES:**

Member, Admissions Committee 2003 - 2006 – attend weekly committee meetings and present reports on student applicant interviews; faculty interviewer 2001-2006)  
Member, Problem Based Learning (PBL) Working Group 1996 - 2006 – review and update nutrition content in cases for facilitator guides  
Representative, CATCHUM Steering Committee (Cancer Teaching and Curriculum Enhancement in Undergraduate Medicine) 2002 - 2003; attended quarterly meetings with all Texas medical schools and served as UTMSH site visit coordinator

## **TEACHING RESPONSIBILITIES:**

### **Current Teaching Assignments at UTMSH:**

- Problem Based Learning – Block 1, 2, and 3 (8-week blocks in 2<sup>nd</sup> year)
- Introduction to Clinical Medicine – lectures on ‘Criteria of a Healthy Diet’ and ‘Taking a Diet History’; Nutrition Assessment Strategies
- Reproductive Biology – lecture ‘Nutrition and Reproduction, Women’s Health’
- MSI/MSII Nutrition Elective – lecture series, spring semester
- MSIII Medicine Clerkship – lecture ‘Clinical Nutrition Priorities in Adult Primary Care’
- 4<sup>th</sup> Year Clinical Nutrition Elective – Metabolic Syndrome: Treatment and Prevention of CVD, HTN, Obesity, and Diabetes - clinical rotations at Memorial Hermann Hospital and Community Wellness Centers

### **University of Texas School of Allied Health Sciences, Department of Nutrition and Dietetics 1982 - 1995:**

Didactic courses:

- Clinical Nutrition: Diabetes, Obesity, Renal, Oncology, and Critical Care – advanced level course to prepare students for clinical rotations in hospitals
- Nutrition in the Life Cycle: Geriatrics – assessment of nutritional status in elderly populations; preparation of students for rotations in nursing homes and with independent living elderly and assisted living facilities.

- Human Nutrition and Metabolism – advanced level course prerequisite to clinical nutrition and nutrition research courses; Shils' Modern Nutrition in Health & Disease text
- Nutrition Research Design and Methodology – advanced level course for basic science, clinical, and epidemiology research; students designed research projects for independent study
- Seminars on Nutrition Assessment and Support
- Independent Study courses

Laboratory courses:

- Nutrition Assessment – students performed laboratory assessment of serum albumin, total protein, glucose, TG, cholesterol, HDL, LDL, Hbg, Hct., HgbA1C, BUN, creatinine; oral glucose tolerance test; body fat measurements with bioimpedance and underwater weighing techniques; 24-hour urine collections with urine analysis of ascorbic acid; and participated in feeding and weighing of rats in various diet studies.

Clinical courses:

- Coordinated and supervised students in rotations at Memorial Hermann Hospital, MD Anderson Cancer Center, St. Luke's Episcopal Hospital, and Methodist Hospital in the areas of CVD, diabetes, obesity, renal transplant, oncology, thermal injuries, surgery and critical care.
- Coordinated and supervised students in pediatric rotations at Texas Children's Hospital, MD Anderson Cancer Center, and Memorial Hermann Hospital in the areas of renal disease, oncology, cystic fibrosis, and diabetes.
- Coordinated and supervised students in out-patient clinics for hemo- and peritoneal dialysis, chemo- and radiation therapy, diabetes, and CVD.
- Supervised students in nursing home rotations, elderly day care centers, and independent living senior centers.

**University of Texas Graduate School of Biomedical Sciences 1982-1986:  
M.S./Ph.D. Program in Nutritional Sciences**

- Advanced Human Nutrition: Lipids and Carbohydrates
- Nutrition Research Design and Methodology – basic research, clinical studies, and nutrition epidemiology

**University of Texas Dental Branch at Houston 1991-1993:**

- Introduction to Nutrition – taught for dental and dental hygiene students with focus on dental health and nutrition assessment in community dental practice

**Rice University, Department of Health and Human Performance 1994-1995:**

- Fundamentals of Nutrition – a course for pre-med, biochemistry, health administration, and physical education majors

**University of Texas Medical School at Houston 1996 – present:**

As the Director of Nutrition Education for an integrated curriculum, I have teaching responsibilities in the following undergraduate medical courses:

Year 1

Introduction to Clinical Medicine

- Nutrition Assessment lecture
- *Introduction to Nutrition in Preventive Medicine* web module
- Small group sessions
- Exam questions

Clinical Nutrition Elective

- A 12-hour lecture series on a variety of topics in clinical nutrition

Year 2

Physical Diagnosis

- Nutrition assessment for standardized patients

Reproductive Biology

- Nutrition and reproduction lecture
- Exam questions

Problem Based Learning (PBL)

- Facilitator for Block 1: Principals of Medicine, Cardiovascular Disease, and Renal Disease; Block 3: Gastroenterology, Hematology, Endocrinology

Year 3

Internal Medicine Core Curriculum

- Lectures – Enteral and Parenteral Nutrition; Nutritional Management of Gastrointestinal Disease

Year 4

Internal Medicine Clinical Nutrition Elective: A 4-week rotation at Memorial Hermann Hospital focusing on prevention and treatment of metabolic syndrome

**Graduate Medical Education (GME) 1996 – 2006:**

- Gastroenterology Clinical Conference – UT-H and BCM GI residents and fellows – principles of nutrition, nutrition and GI disease, obesity assessment and nutritional therapies
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**University of Texas School of Public Health, Center for Human Nutrition 1997-1998:**

- Advances in Medical Nutrition Therapy – a graduate level course for M.S./MPH Combined Dietetic Internship Program

## **STUDENT ADVISING AND MENTORING:**

Faculty advisor to undergraduate and graduate students in nutrition and dietetics programs at UTHSCH.

Mentor, Clinical Nutrition Internship Program, sponsored by the American Society for Clinical Nutrition (ASCN) and the American Medical Student Association (AMSA) – served as mentor for 8-week rotations at Texas Medical Center hospitals and clinics, 2000 - 2004 for 1<sup>st</sup> year medical students.

## **WEB-BASED COURSE MATERIALS AND OTHER EDUCATIONAL TOOLS DEVELOPED:**

2003 – *Nutrition Curriculum Guide for Training Physicians: Practice Behavior Skills and Attitudes Across the Curriculum*

2002 - *Nutrition and Preventive Medicine Handbook: A resource guide for medical professionals*

2001 - *Introduction to Nutrition and Preventive Medicine* Web-based and Blackboard Module

## **RECENT GRANT FUNDING:**

Principal Investigator

"Development of a Longitudinal Nutrition Curriculum", The Nutrition Academic Award, National Heart, Lung, and Blood Institute, \$810,000 award, April 1, 2000 – March 31, 2007.

Co-Principal Investigator

"Clinical Correlates of Energy, Protein, and Micronutrient Intakes in Institutionalized Elderly", The Retirement Foundation, \$84,000 award, 1998 – 2001.

Principal Investigator

"Development of a Web-based Medical Nutrition Curriculum for the University of Texas Medical Schools", The University of Texas System, Office of Information Technology, \$60,000 award, 1997 – 1999.

## **PUBLICATIONS:**

### **ABSTRACTS:**

Edwards, M.S., Pratt, C. and McBride, PE. Nutrition Education at U.S. Medical Schools – A National Survey of the Nutrition Academic Award Program. *Journal of the American College of Nutrition* 24(5), 2005.

Edwards, M.S. Attitudes toward Nutrition in Patient Care: A Comparison of First and Fourth Year Medical Students. *The FASEB Journal* 17(5):A1095, 2003.

Edwards, M.S., Orlander, P.R., and Perkowski, L.C. Development of a Longitudinal Nutrition Curriculum. *The FASEB Journal* 16(4):S609, 2002.

Van Horn, L.V., McGaghie, W.C., Scott, C., Kushner, R., Edwards, M.S.: Knowledge, Attitude, and Behavior Outcomes of the Nutrition Academic Award: Plans for Dissemination and Application through Partnerships and Alliances. *Experimental Biology* 15:A840, 2001.

Edwards, M.S. and Ankoma-Sey, V.: Prevalence of obesity in patients with non-alcoholic steatohepatitis. *Experimental Biology* 14:A500, 2000.

Edwards, M.S. and Rosenfeld, G.C.: Problem Based Learning: A model for medical nutrition education. *Experimental Biology* 14:A481, 2000.

Edwards, M.S., Beer, W.H., Young, E.A., Sandstead, H.H., Alcock, N.W., and Carson, J.: Development of a technology-based distance learning approach to nutrition education at the University of Texas Medical Schools. *FASEB Journal*, 12:A1364, 1998.

Edwards, M.S., Radcliffe, J.D.: Effect of dietary menhaden oil on growth of a rat sarcoma. *FASEB Journal* 9:A994, 1995.

Edwards, M.S. and Radcliffe, J.D.: Beneficial effects of dietary cottonseed oil on serum and hepatic lipids in the rat. *FASEB Journal* 7:A380, 1993.

Smith, B.A., Sutherland, T.M., and Edwards, M.S.: Influence of weight cycling and fat modified diets on adipose tissue cellularity in polygenetically obese and nonobese mice. *FASEB Journal* 7:A378, 1993.

Edwards, M.S. and Radcliffe, J.D.: Influence of rice bran oil on serum fatty acids in the rat. *Proc. Exp. Biol. Med.* 203:29, 1993.

Edwards, M.S.: Serum and hepatic lipids in rats fed palm oil diets. *Fed. Proc.* 6:A385, 1992.

Radcliffe, J.D., Ashby, J.M. and Edwards, M.S.: Influence of dietary fish oil on serum lipids in normal and sarcoma-bearing rats. *Am. Assoc. Cancer Res. Abstr.*, 1991.

Edwards, M.S. and Radcliffe, J.D.: Response of serum and hepatic lipids in rats to cholesterol diets containing rice brain oil or menhaden oil. *Fed. Proc.* 5:A573, 1991.

Radcliffe, J.D. and Edwards, M.S.: Dietary fish oil can reduce severity of cancer-induced hyperlipidemia. *Fed. Proc.* 4:A1176, 1990.

Radcliffe, J.D. and Edwards, M.S.: Rice bran oil versus corn oil: A comparison of serum and hepatic lipids in normal and tumor-bearing animals. *Am. Oil Chem. Soc. Abstr.*, 1990.

Edwards, M.S. and Doster, S.M.: Renal transplant diet: A survey of renal dietitians in the United States. *J. Am. Diet. Assoc.* 988:10, 1989.

Edwards, M.S. and Radcliffe, J.D.: Effect of fish oil on serum and hepatic lipids in normal and retinyl acetate-fed rats. *Fed. Proc.* 3:A952, 1989.

Edwards, M.S. and Radcliffe, J.D.: Effect of retinyl acetate and lecithin supplementation on serum and hepatic lipids in rats. *Am. J. Clin. Nutr.* 4:760, 1988.

### **Papers:**

Edwards, M.S. and Rosenfeld G.C. A Problem-Based Learning Approach to Incorporating Nutrition into the Medical Curriculum. *Med Educ Online* 2006;11:10.

Edwards, M.S. and Lasswell A. Integration of nutrition into the medical curriculum: A web-based module. *J Nutr Edu & Behavior* 2006;38:5.

Edwards, M.S. Evidence Based Medical Nutrition Education – The Nutrition Academic Award Program. Preface to Proceedings of ASCN Symposium. *Am J Clin Nutr Suppl* 2006;83(suppl):933S-935S.

Wright, J.E., Willis, G.J. and Edwards, M.S.: Nutritional Content of Hospital Diets. *JAMA*, May 12, 2004, Vol 291, No. 18, 2194-2196.

Radcliffe, J.D., Czajka-Narins D., Imrham, V., and Edwards, M.S.: Effect of dietary fish oil on tumor-induced hyperlipidemia and tumor growth in rats implanted with methylcholanthrene-induced sarcoma. *Biochemistry and Molecular Biology International* 47:2,293-299, 1999.

Edwards, M.S. and Radcliffe, J.D.: A comparison of cottonseed oil versus corn oil on lipid status in the rat. *Biochem. Arch.* 11:103-109, 1995.

Edwards, M.S. and Radcliffe, J.D.: A comparison of the effect of rice bran oil and corn oil on lipid status in the rat. *Biochem. Arch.* 10:87-94, 1994.

Edwards, M.S., Smith, B.A., Kainer, R.A., and Sutherland, T.M.: Effect of dietary fat and aging on adipose tissue cellularity in mice differing in genetic predisposition to obesity. *Growth, Development, and Aging* 57:45-51, 1993.

Smith, B.A., Edwards, M.S., Ballachey, B.E., Cramer, D.A., and Sutherland, T.M.: Body weight and longevity in genetically obese and non-obese mice fed fat-modified diets. *Growth, Development, and Aging* 55:81-89, 1991.

Edwards, M.S. and Doster, S.M.: Renal transplant diet: A survey of renal dietitians in the United States. *J. Am. Diet. Assoc.* 90:843-846, 1990.

Edwards, M.S. and Radcliffe, J.D.: Effect of dietary soy lecithin on serum and hepatic lipids in rats having retinyl acetate-induced hyperlipidemia. *Biochem. Arch.* 6:261-265, 1990.

Edwards, M.S. and Radcliffe, J.D.: Effect of fish oil on serum and hepatic lipids in retinyl acetate-induced hyperlipidemia Sprague-Dawley rats. *Biochem. Arch.* 5:309-313, 1989.

### **INVITED PRESENTATIONS AND PUBLICATIONS:**

Speaker, Medical Nutrition Education Forum, “Challenges and Priorities in Medical Nutrition Education, American Society for Nutrition, Experimental Biology 2007, Washington, D.C., April 28, 2007.

Speaker, 9<sup>th</sup> Annual Schlichting Education Conference “Alzheimer’s: New Directions for a 100-Year Old Disease”, Alzheimer’s Association Houston and Southeast Texas Chapter, “Nutrition and Brain Health”, November 17, 2006.

Speaker, American Dietetic Association Food and Nutrition Conference, Nutrition Educators of Health Professionals Practice Group, “Enhancing the Quality of Nutrition Education in U.S. Medical Schools”, Honolulu, Hawaii, September 17, 2006.

Featured article Nutrition Educators of Health Professionals Newsletter, American Dietetic Association – “Nutrition in the Medical Curriculum – Are we making progress?”, Summer, 2006.

Speaker and Co-Moderator, Nutrition Education in U.S. Medical Schools, American Society for Nutrition Minisymposium, Experimental Biology 2006, San Francisco, CA, April 1, 2006.

Chair, “Nutrition Education of Professionals and Consumers”, American Society for Nutritional Sciences, Minisymposium, Experimental Biology 2005, San Diego, CA, April 5, 2005.

Chair and Speaker, American Society for Clinical Nutrition Symposium on Evidence-Based Medical Nutrition Education. “Problem Based Learning: A Model for Medical Nutrition Education”, San Diego, CA, April 2, 2005.

Speaker, Memorial Hermann Hospital, “Clinical Nutrition: A Growing Priority for MDs”, Houston, TX, May 21, 2004.

Luncheon Speaker, The Lineas Society, “Dietary Approaches to Stopping Hypertension – The DASH Diet”, Houston, Texas, April 24, 2004. (Fund raiser for University of Texas Medical School at Houston Scholarship Fund)

Speaker, Department of Internal Medicine Grand Rounds, “Nutrition: A Growing Priority in Clinical Practice”, University of Texas Medical School, Houston, TX, September 23, 2003.

Moderator, Annual Meeting of the American College of Nutrition, Minisymposium: “Preventive Nutrition, Obesity, Supplements, Functional Foods”, San Antonio, Texas, October 2002.

Speaker, University of Texas Medical School, Women’s Health Symposia, “Healthy Women, Healthy Weight”, Houston, TX, June 6, 2002.

Speaker, National Heart, Lung, and Blood Institute, Nutrition Academic Award Meeting, “A Fourth Year Clinical Nutrition Elective: Metabolic Syndrome”, Washington, D.C., April 2002.

Speaker, University of Texas Center on Aging Conference, “Understanding the Relationship between Nutrition and Chronic Disease”, Houston, TX, September 8, 2000.

Speaker, National Heart, Lung, and Blood Institute, Nutrition Academic Award Meeting, “Nutrition Education at the University of Texas Medical School at Houston”, Alexandria, VA, May 12, 2000.

Speaker, University of Texas System Technology Conference, “Development of a Web-Based Medical Nutrition Curriculum at the University of Texas Medical Schools”, El Paso, TX, August 10, 1998.

Speaker, Society for Experimental Biology and Medicine, “Influence of Rice Bran Oil on Serum Lipids”, Dallas, TX, October, 1992.

Speaker and Panel Discussant, University of Texas Medical School, “Diet and Gestational Diabetes”, Continuing Medical Education Course, Houston, TX, April 1987.

Speaker, Annual Meeting of the Texas Dietetic Association, “Dietary Lipids and Obesity”, Houston, TX, April, 1986.

Lecturer, Adipose Tissue Cellularity in an Obese Animal Model, University of Texas Graduate School for Biomedical Sciences, Houston, TX, February, 1985.

Speaker, University of Texas Medical School, MSI/II Nutrition Elective “A Current Prospective on Nutrition and Aging”, Houston, TX, February, 1984.

Speaker, Multiple Sclerosis Society – Southeast Texas Chapter, “Nutritional Priorities for Persons with Multiple Sclerosis”, Houston, TX, March, 1984.

Speaker, Annual Scientific Meeting of The Gerontological Society of America, “Nutritional Parameters of Diabetes and Obesity in the Elderly”, San Antonio, TX, November, 1983.

Lecturer, Texas Women’s University, Department of Food Science and Nutrition, “Animal Models of Obesity”, Houston, TX, November, 1983.  
Moderator, South Texas Dietetic Association, Clinical Nutrition Research Panel, University of Texas Medical School, Houston, TX, November, 1983.

Panel Discussant, North American Association for the Study of Obesity (NAASO) Satellite Meeting on Adipose Tissue Cellularity, “Effect of Saturated and Polyunsaturated Fat Diets on Adipose Tissue Cellularity in Genetically Obese Mice”, Vassar College, Poughkeepsie, NY, October, 1983.

Speaker, Association for Women in Science (AWIS) Gulf Coast Chapter, “Dietary Fat and Obesity in an Animal Model”, Rice University, Houston, TX, April, 1983.

#### **RECENT PROFESSIONAL DEVELOPMENT AND CONTINUING MEDICAL EDUCATION:**

22<sup>nd</sup> International Conference on Practical Approaches to the Treatment of Obesity, Harvard Medical School, Boston, MA, June 19 – 21, 2008.

Annual Lipid Disorders Training Program, Advanced Course, Johns Hopkins University School of Medicine, Baltimore, MD, October 21, 2006.

Annual Lipid Disorders Training Program, Basic Course, Johns Hopkins University School of Medicine, Baltimore, MD, October 19-20, 2006.

“Food as Medicine Training Program”, Center for Mind Body Medicine, Johns Hopkins School of Medicine and Georgetown University School of Medicine, Baltimore, MD, June 10 – 16, 2006.

“Obesity, Lifestyle, and Cardiovascular Disease Symposium”, sponsored by the American Heart Association Council on Nutrition, Physical Activity, and Metabolism, the American Society for Nutrition, Society for Nutrition Education, NAASO, and the National Heart, Lung, and Blood Institute. Washington, D.C., January 18-20, 2006.

“Strong Women, Strong Bones” Workshop and Lillian Fountain Smith Conference for Nutrition Educators, Colorado State University, June 8-10, 2005.

“Diet and Optimum Health”, Linus Pauling Institute, Oregon State University, Portland, OR, May 19-21, 2005

Texas Human Nutrition Conference, “Going for the Gold: Optimal Nutrition for Sports and Exercise Performance” Texas A&M University, College Station, TX, February 3-4, 2005.

“Assessment and Management of Overweight and Obese Adult Patients”, National Heart, Lung, and Blood Institute, November 16, 2003.

“Mayo Clinic’s Nutrition in Health and Disease”, Mayo School of Continuing Medical Education, Chicago, IL, September 25-26, 2003.

“Complementary and Alternative Medicine: Implications for Clinical Practice”, Harvard Medical School, Department of Continuing Education videoconference August, 2003.

“National Maternal Nutrition Intensive Course”, University of Minnesota, School of Public Health, videostreaming conference, July, 2003.

“Advances in Pediatric Nutrition”, Johns Hopkins University School of Medicine and The Johns Hopkins Children's Center, Baltimore, MD, June 24-26, 2002.

“National Cardiovascular Health Conference”, National Heart, Lung, and Blood Institute and The American Heart Association, Washington, D.C., April 11-13, 2002.

“Nutrition: A Growing Priority in Clinical Practice”, Northwestern University Medical School, Chicago, IL, March 2, 2002.

“Interdisciplinary Review Course for Certification of Physicians in Nutrition” and “Alternative/Complementary Medicine” 25<sup>th</sup> Clinical Congress, American Society for Parenteral and Enteral Nutrition, Chicago, IL, January 21 – 24, 2001.

“Interactive and Practical Approaches to Managing Your Overweight and Obese Patients”, Centers for Obesity Research and Education, University of Colorado Health Sciences Center, Denver, CO, October 14, 2000.

“Physician Nutrition Education” The American Dietetic Association Food & Nutrition Conference, Denver, CO, October 18, 2000.

“10<sup>th</sup> Symposium on Nutrition and Cancer: Innovative Approaches to Nutrition and Cancer Care: Challenges and Ideas for the New Millennium”, The University of Texas M.D. Anderson Cancer Center, Houston, TX, June 15-16, 2000.