

Curriculum Vitae

Maria T Spicer

March 01, 2013

General Information

University address: Nutrition, Food and Exercise Sciences
College of Human Sciences
Sandels Building 0400
Florida State University
Tallahassee, Florida 32306-1493
Phone: (850) 644-1784

E-mail address: mspicer@fsu.edu

Web site: <http://www.chs.fsu.edu/college/bios.php?id=82>

Professional Preparation

- 1996 Ph.D., Oklahoma State University Main, Stillwater, Oklahoma. Major: Nutrition; Food; An. Supervisor: Barbara J. Stoecker, Ph.D., R.D.
- 1984 M.S., Michigan State University, East Lansing, Michigan. Major: Human Nutrition. Supervisor: Jenny Bond, Ph.D., R.D.
- 1979 B.S., University of the Philippines, Quezon City, Philippines. Major: Community Nutrition.

Professional Credential(s)

- 2007–present State of Florida Licensure (#ND 5073).
- 1998–present State of Oklahoma Licensure (#LD 969).
- 1985–present Commission on Dietetic Registration (#R708077).
- 1980–present Professional License, Nutritionist/Dietitian, Philippines.

Professional Experience

- 2006–present Dietetics Internship Director, Nutrition, Food and Exercise Sciences, Florida State University, Tallahassee, Florida. Responsible for the administration of

the Dietetics Internship Program and instruction of the following courses: Advanced Medical Nutrition Therapy, Current Topics in Dietetics, Medical Nutrition Therapy (undergraduate lecture and lab), various independent study topics and Graduate Seminar, and, research studying the effect of functional food and exercise on parameters of insulin resistance, oxidative stress and inflammation in diabetes, polycystic ovary syndrome, obesity and metabolic diseases.

- 2000–2006 Assistant Professor, Nutritional Sciences, Oklahoma State University, Stillwater, Oklahoma. Responsible for instruction of Food and the Human Environment, Advanced Medical Nutrition Therapy, Management in Healthcare Systems, International Nutrition and World Hunger, Food and Culture of Italy Study Abroad Short Course, and research in the effects of different types of fat on parameters of insulin resistance and prevalence of and factors influencing childhood obesity in Native Americans and African Americans in rural Oklahoma.
- 2004–2005 Interim Dietetic Internship Director, Nutritional Sciences, Oklahoma State University, Stillwater, Oklahoma. Responsible for administration of the Dietetics Internship Program.
- 1996–2003 Assistant Dietetic Internship Director, Nutritional Sciences, Oklahoma State University, Stillwater, Oklahoma. Responsible for the administration of the clinical and community nutrition rotations of the Dietetics Internship Program.
- 1996–2000 Visiting Assistant Professor, Nutritional Sciences, Oklahoma State University, Stillwater, Oklahoma. Responsible for the instruction of Food and the Human Environment, Nutrition for the Elderly, Lifespan Nutrition, Principles of Human Nutrition, Computer Tutor for Dietetics.
- 1990–1996 Graduate Assistant, Nutritional Sciences, Oklahoma State University, Stillwater, Oklahoma. Responsible for instruction of Principles of Human Nutrition; Basic Food Preparation Laboratory and research assistant to Dr. Barbara Stoecker.
- 1989 Laboratory Technician, Animal Science, Oklahoma State University, Stillwater, Oklahoma. Responsible for protein research for Dr. Larry Hand, Ph.D.
- 1986–1988 Clinical Dietitian, OB-GYN Department and Extended Care Facility, Polyclinic Medical Center, Harrisburg, Pennsylvania. Responsible for the nutrition therapy and support of patients of the OB-GYN department/clinic and long term care facility of the 500 bed hospital.

- 1985–1986 Consultant Dietitian, Cumberland County Nursing Home, Carlisle, Pennsylvania. Responsible for the nutritional care of the residents of the facility.
- 1984–1985 Dietetics Intern, Surgery, The Milton S. Hershey Medical Center of the Pennsylvania State University, Hershey, Pennsylvania. A.D.A. approved six month work experience with the Division of Pediatric Surgery.
- 1983–1984 Graduate Assistant, Food Science and Human Nutrition, Michigan State University, East Lansing, Michigan. Responsible for teaching assistance for HNF102 Nutrition for Humans (Dr. Maurice Benninck, PhD.) and HNF406L Cultural Aspects of Food Laboratory (Ms. Stella Cash, M.S., R.D.).
- 1980–1981 Corporate Dietitian, Herdis Group Incorporated, Philippines. Nutrition consultant for wellness program.

Honors, Awards, and Prizes

- Outstanding Dietetic Educator Award, American Dietetic Association Dietetic Education of Practitioners Area IV (2002).
- Outstanding Dietetic Educator Award, Oklahoma Dietetic Association Dietetic Education of Practitioners (2002).

Current Membership in Professional Organizations

- Academy of Nutrition and Dietetics
American Society for Parenteral and Enteral Nutrition

Teaching

Courses Taught

- Advanced Medical Nutrition Therapy (DIE5248)
Dietetic Internship Practicum (DIE8945)
Nutrition Practicum (HUN4941)
Supervised Field Experience (HUN8945)
Food and Nutrition Seminar (HUN5930)
Food and Nutrition Seminar (HUN6930)
Seminar in Food and Nutrition Sciences (FOS5930)
Seminar in Food and Nutrition Sciences (FOS6930)
Seminar in Movement Sciences (PET5930)
Seminar in Movement Sciences (PET6930)
Current Topics in Dietetics (DIE5935)

Medical Nutrition Therapy Laboratory (DIE4244-L)
Research Design and Methodology Laboratory (HUN5802-L)
Special Topics in Nutrition (HUN5938)
Advances in Nutrition and Food Science (HUN6248)
Medical Nutrition Therapy (DIE4244)
Exercise Physiology Internship (PET8945)
Nutrition and Cancer (DIS6906)
Nutrition and Hypertension (DIS5936)

New Course Development

Current Topics In Dietetics (2007)
Nutrition Therapy (2007)
Nutrition Therapy Laboratory (2007)

Doctoral Committee Chair

Maier, H. M., doctoral candidate. *Diabetic Foot Ulcers and Advanced Glycation End-products.*

Doctoral Committee Member

Lemacks, J. L., graduate. (2012). *Relationship between Calcium, Vitamin D, and Obesity in Caucasian and African American Postmenopausal Women.*
Kim, You-Jin, graduate. (2011). *The Effects of Polyunsaturated Fatty Acids on Bone and Fat Cell Metabolism.*
Shin, H., graduate. (2011). *The Relationship among Weight Loss, Calcium Intake and Cardiovascular Disease Risk Factors in Early Postmenopausal Women.*
Magnuson, A. B., graduate. (2010). *Influence of an Eating Disorders, Body Image and Healthy Weight Maintenance Curriculum on the Behaviors and Attitudes of College Students.*
Liu, Pei-Yang, graduate. (2010). *Effect of Body Weight on Body Composition and Bone Mineral Density.*
Ardanuy-Johnson, S. B., doctoral candidate.
Vicil-Anaya, F., doctoral candidate. (2011). *Effects of Acute High and Low Intensity Resistance Exercise on Long-Term Vegetarians.*
Wong, A., doctoral student.

Master's Committee Chair

Ammons, A., graduate. (2012).
Huff, J. N., graduate. (2012).
Inglis, J. E., graduate. (2012).
Karaman, A., graduate. (2012).

- Chen, S., graduate. (2011).
- Galloway, A. M., graduate. (2011).
- Houston, K. N., graduate. (2011).
- Schaefer, J. T., graduate. (2011). *Eating Disorders, Body Image, and Healthy Weight Maintenance: Follow Up Study.*
- Gravani, K. M., graduate. (2011). *Effects of Weight Control Practices on Mood, Loss Attribution, and Performance in Division I Collegiate Wrestlers.*
- Berry, C. L., graduate. (2011).
- Ellis, K., graduate. (2011).
- Gegenheimer, J. L., graduate. (2011).
- Brooks, J. L., graduate. (2010).
- Cook, J., graduate. (2010).
- Gustafson, C. E., graduate. (2010).
- Booth, B. K., graduate. (2010). *The Effects of Dried Apples and Exercise on the Clinical Parameters of Metabolic Syndrome in Women with Polycystic Ovary Syndrome.*
- Graham, L. M., graduate. (2010).
- Overstreet, A. M., graduate. (2010).
- Palmer, K. K., graduate. (2010).
- Payor, K. C., graduate. (2010).
- Hernandez, A., graduate. (2009). *The Effect of Dried Apples and Resistance Exercise on Cholesterol and Reproductive Hormone Production in Women with Polycystic Ovary Syndrome.*
- Matthews, R. P., graduate. (2009).
- McAliley, C. S., graduate. (2009).
- Pudwill, H. C., graduate. (2009).
- Zingone, C. A., graduate. (2009).
- Plaster, H. L., graduate. (2009).
- Vermillion, A., graduate. (2009).
- Baez, V., graduate. (2009).
- Middlekauff, J. N., graduate. (2009).
- Roths, S. J., graduate. (2009).
- Ardanuy-Johnson, S. B., graduate. (2008).
- Bach, D. R., graduate. (2008).
- Beams, K. N., graduate. (2008).
- Bendor, L., graduate. (2008). *The Effects of Dried Apples and Exercise on Leptin and Adiponectin Production in Women with Polycystic Ovary Syndrome.*
- Sherman, J. L., graduate. (2008).
- Kunz, L. L., graduate. (2008).
- Ellath, A., graduate. (2006). *Cardiovascular Risk Factors in American Indian and African American Women of Child Bearing Age and the Relationship of These Factors to Blood Leptin Concentration, Insulin Resistance and Waist Circumference.*
- Flanagan, A. M., graduate. (2004). *The Relationship Between High Fat Feeding, Insulin Resistance and TNF-alpha Gene Expression in Growing Rats.*
- Glover, E. D., graduate. (2004). *Comparison of Different Methods Assessing Insulin Sensitivity in Oklahoma Native American Children.*
- Brown, J. L., graduate. (2002). *Effect of High-Fat Diet on Body Composition and Hormone*

Responses to Glucose Tolerance Tests in Growing Rats.

Mathule, L. M., graduate. (2002). *Predictors of Birth-Weight Among Healthy Women in Lesotho.*

Brown, K. M., graduate. (2002). *The Effect of Glucose Concentrations on the Healing of Diabetic Foot Ulcers in Subjects Receiving Hyperbaric Oxygen Therapy.*

Andrews, K. R., student.

Deetz, A. M., student.

Feger, C. L., student.

Gwin, K. N., student.

Hunt, N. A., student.

Malette, C. E., student.

Pfau, L., student.

Williams, F. E., student.

Zamoria Ruiz, N., student.

Mohler, R. L., student. (2012).

Vazquez, M. D. C., student. (2012).

Master's Committee Member

Vespa, J. L., graduate. (2012).

Begetis, E. C., graduate. (2012).

Callahan, K. C., graduate. (2012).

Foster, K. R., graduate. (2012).

Healy, S. R., graduate. (2012).

Riggle, C. L., graduate. (2012).

Ceska, E. L., graduate. (2011).

Lapeyrouse, C., graduate. (2011).

Lox, J. H., graduate. (2011).

Smith, A. L., graduate. (2011).

Elam, M. L., graduate. (2011).

Berzofsky, S. M., graduate. (2011).

Davis, T. D., graduate. (2011).

Rulffes, A. N., graduate. (2011).

Tomberlin, M. M., graduate. (2011).

MacKinnon, E. M., graduate. (2010).

Brooks, J. L., graduate. (2010).

Birch, C. R., graduate. (2010).

Nathan, T. M., graduate. (2010).

Perry, A. D., graduate. (2010).

Pritchett, B. E., graduate. (2010).

Trivino, J. A., graduate. (2010).

Gomes, K. A., graduate. (2009).

Sizemore, R. E., graduate. (2009).

Gil, R., graduate. (2009). *The Effect of Whole Body Vibration Training on Arterial Stiffness, Wave Reflection, Hemodynamics and Autonomic Control of the Cardiovascular System in Overweight and Obese Women.*

- Saadat, R. L., graduate. (2009). *Efficacy of Dried Plum in Modulating Bone Biomarkers*.
- Wieder, R. A., graduate. (2009). *The Effect of Creatinine Supplementation on Muscle Performance During Transition from an Omnivorous Diet to a Lacto-ovo Vegetarian Diet*.
- Ready, C. A., graduate. (2008).
- James, V. T., graduate. (2008).
- Hamman, L. D., graduate. (2008).
- Hingst, R. E., graduate. (2008).
- Lowrey, K. L., graduate. (2008).
- McCarthy, L. M., graduate. (2008).
- Borro, G. M., student.
- Brennan, K. E., student.
- Chi, Yi-Chih, student.
- Deetz, A. M., student.
- Nowicki, C. R., student.
- Post, J. L., student.
- Rawal, S., student.
- Rollins, C. L., student.
- Sarig, L., student.
- Chinchilla, K., student. (2012).
- Schmid, E. N., student. (2012).

Supervision of Student Research Not Related to Thesis or Dissertation

- Horry, E. (2003–05).
- Hartley, B. (2003–04).
- Camp, L. (2002).

Research and Original Creative Work

Publications

Refereed Journal Articles

- Haiyan, M. M., Jasminka, I. Z., Jeong-Su, K., & Spicer, M. T. (in press). Nutrition supplementation for diabetic wound healing: a systematic review of current literature. *SKINmed*.
- Flanagan, A. M., Brown, J. L., Santiago, C. A., Aad, P. Y., Spicer, L. J., & Spicer, M. T. (2008). High-fat diets promote insulin resistance through cytokine gene expression in growing female rats. *J. Nutr. Biochem*, 19(8), 505-13.

- Rankins, J., Sathe, S. K., & Spicer, M. T. (2008). Solar-drying of mangoes: Preservation of an important source of vitamin A in French-speaking West Africa. *J Am Diet Assoc*, *108*(6), 986-90.
- Davis, L. A., & Spicer, M. T. (2007). Nutrition and dysphagia in older adults. *Topics in Geriatric Rehabilitation*, *23*(3), 211-219.
- Polley, D. C., Spicer, M. T., Knight, A. P., & Hartley, B. L. (2005). Intrafamilial correlates of overweight and obesity in African-American and Native-American grandparents, parents, and children in rural Oklahoma. *J Am Diet Assoc*, *105*(2), 262-5.
- Mathule, L., Kennedy, T., Gates, G., & Spicer, M. T. (2005). Predictors of healthy birthweight in healthy women attending a rural antenatal clinic. *AJFAND*, *5*(1), 1-20. Retrieved from <http://www.ajfand.net/>
- Brown, J. L., Spicer, M. T., & Spicer, L. J. (2002). Effect of high fat diet on body composition and hormone responses to glucose tolerance tests. *Endocrine*, *19*(3), 327-32.
- Spicer, M. T., Stoecker, B. J., Chen, T., & Spicer, L. J. (1998). Maternal and fetal insulin-like growth factor system and embryonic survival during pregnancy in rats: Interactions between dietary chromium and diabetes. *J. Nutr*, *128*, 2341-2347.

Nonrefereed Journal Articles

- Bishop, D. K., Wettemann, R. P., Beard, B. S., Cross, G., Ellis, J. L., Flock, S. D., Patterson, B. N., & Spicer, M. T. (1991). Plasma Estradiol After Implanting Steers with Estradiol Benzoate. *Okla. Ag. Exp. Sta. Res. Rep*, 28-30.

Nonrefereed Monograph Chapters

- Waters, M., Dunlop, L., Keim, K., Kelley, M., Meyers, K., Miller, A., & Spicer, M. T. (2001). Medical Nutrition Therapy. In *Manual of Medical Nutrition Therapy*. Oklahoma Dietetic Association.

Presentations

Refereed Papers at Conferences

- Spicer, M. T. (presented 2007, June). *Leptin and Waist Circumference are Associated With Systolic Blood Pressure in American Indian and African American Women of Child-Bearing Age*. Paper presented at Annual Conference, International Society Hypertension In Blacks. (International)

- Spicer, M. T. (presented 2005, June). *Effect of High Fat Feeding on Levels of mRNA for Insulin Receptor (InsRc), Forkhead Box O1 (FoxO1), Inositol 1,4,5-Triphosphate 3-Kinase (I3PK), and Ribosomal Protein S6 Kinase (RPS6K) in Adipose Tissue of Growing Rats Quantified by Real-Time RT-PCR*. Paper presented at The Endocrine Meeting, The Endocrine Society, San Diego, CA. (International)
- Spicer, M. T. (presented 2004, June). *Relationship Between High Fat Feeding, Insulin Resistance and TNF- α Gene Expression in Growing Rats*. Paper presented at The Endocrine Meeting, The Endocrine Society, New Orleans. (International)
- Spicer, M. T. (presented 2004, May). *Predictors of Birthweight in Healthy Women Attending a Rural Antenatal Clinic*. Paper presented at Annual Conference, International Congress of Dietetics, Chicago. (International)
- Brown, J., & Spicer, M. T. (presented 2002). *Effect of a High-Fat Diet on Body Composition and Hormone Responses to Glucose Tolerance Tests*. Paper presented at Annual Conference, FNCE. (National)
- Spicer, M. T., Lucas, E. A., Han, H. C., Rhee, Y. S., & Stoecker, B. J. (presented 1998). *Comparison of Ferric Reducing Ability (FRA) and Thiobarbituric Acid Reactive Substances (TBARS) in the Determination of the Antioxidant Capacity of Rat Serum and Testes*. Paper presented at Annual Conference, FASEB. (National)
- Spicer, M. T., & Stoecker, B. J. (presented 1997). *The Effects of Chromium Depletion and Streptozotocin (STZ)-Induced Diabetes on Trace Mineral Metabolism in Pregnant Rats*. Paper presented at Annual Conference, FASEB. (National)
- Spicer, M. T., Stoecker, B. J., & Spicer, L. J. (presented 1996). *The Effect of Chromium Depletion and Streptozotocin (STZ)-Induced Diabetes on Maternal and Fetal Insulin-Like Growth Factor-I (IGF-I) and IGF-II Concentrations and Fetal Growth in Rats*. Paper presented at American Diabetes Association Annual Conference, American Diabetes Association. (International)
- Spicer, M. T., Spicer, L. J., & Stoecker, B. J. (presented 1995). *Effect of Chromium Depletion and Diabetes on Maternal and Fetal Insulin-Like Growth Factor-I (IGF-I) and IGF-II During Pregnancy*. Paper presented at American Society of Animal Science Annual Conference, American Society of Animal Science. (National)
- Spicer, M. T., & Stoecker, B. J. (presented 1994). *Effects of Chromium Depletion on Streptozotocin Induced Diabetic Pregnant Rats*. Paper presented at Annual Conference, FNCE. (National)
- Stoecker, B. J., Spicer, M. T., & Adeleye, B. O. (presented 1993). *Effects of Dietary Manganese and Diabetes in Rats*. Paper presented at Annual Conference, FASEB. (National)

Davis, M., Spicer, M. T., Stoecker, B. J., & Sangiah, S. (presented 1992). *Alteration of 51Cr Absorption and Retention by Drugs that Affect Prostaglandins*. Paper presented at Annual Conference, FASEB. (National)

Spicer, M. T., Hong, G. S., Arquitt, A. B., Hermann, J., & Stoecker, B. J. (presented 1992). *A Predictive Model for Health Care Use by the Elderly*. Paper presented at Annual Conference, FNCE. (National)

Spicer, M. T., Stoecker, B. J., Orina, M., & Sangiah, S. (presented 1992). *Effects of Antiulcer Drugs on 51Cr Absorption, Retention and Urinary Excretion in Rats*. Paper presented at Annual Conference, FASEB. (National)

Invited Presentations at Conferences

Spicer, M. T. (presented 2010, February). *Nutrition and Alzheimer's Disease*. Presentation at Alzheimer's Conference, The Florida State University. (Local)

Invited Presentations at Symposia

Spicer, M. T. (presented 2011, October). Phi Theta Kappa Guest Lecture. In *Food and Health: How Bad Eating Affects Health*. Presentation at the meeting of Phi Theta Kappa, the Quality Enhancement Plan Team, & the Office of Campus Life. (Local)

Refereed Presentations at Conferences

Spicer, M. T., Brown, J. L., & Stoecker, B. J. (presented 2001). *Effects of Diet Composition and Dietary Chromium on Leptin Responses to Glucose Tolerance Tests*. Presentation at Annual Conference, FASEB. (National)

Contracts and Grants

Contracts and Grants Funded

Spicer, Maria T (PI). (May 2009–Aug 2012). *Marketing Registered Dietitians To Promote Utilization by Patients and Increase Referrals by Physicians in the Community and Ambulatory Care Setting*. Funded by Allen Foundation Inc. (NONE). Total award \$74,477.

Spicer, M. T. (2007–2008). *Do Apple Polyphenols And Exercise Improve the Clinical Parameters Of Metabolic Syndrome In Young Women?* Funded by First Year Assistant Professor FSU CRC Research Grant. Total award \$16,000.

Spicer, M. T. (2003–2005). *Supplemental Experiential Learning for Native American Undergraduate Dietetics Students*. Funded by USDA Multicultural Scholar Program Supplemental Experiential Learning Grant. Total award \$40,000.

Spicer, M. T. (2002–2003). *Contract for Clinical Analyses of Seleno-methionine Content and Glutathione Peroxidase Activity in Feed Additives*. Funded by Agtech Inc. Total award \$2,800.

Spicer, M. T. (2000–2003). *Prevalence of and Factors Influencing Childhood Obesity in Native Americans and African Americans of Oklahoma*. Funded by USDA CSREES Research Award. (00-38814-9501). Total award \$269,939.

Spicer, M. T. (1999–2000). *Community Nutrition Project*. Funded by OSU Service Learning Grant. Total award \$1,000.

Spicer, M. T. (1991–1995). *Higher Education Doctoral Study Grant*. Funded by Oklahoma State Regents for Higher Education Doctoral Study Grant. Total award \$24,000.

Service

Florida State University

FSU Department Service

Member, NFES Space Committee (2012–present).

Member, Technology Committee (2011–present).

Chair, Dietetic Internship Selection Committee (2006–present).

Member, Graduate Committee (2006–present).

Member, DPD Director Search Committee (2009).

Member, Scholarship Committee (2009).

FSU Institute or Center Service

Mentor, Science Prep Project (2007–2008).

The Profession

Service to Professional Associations

President, Tallahassee Dietetic Association (2012–2013).

President-elect, Tallahassee Dietetic Association (2011–2012).

Secretary, Tallahassee Dietetic Association (2007–2009).

The Community

Member, Big Bend Filipino American Association (2006–present).

Vice President, Big Bend Filipino American Association (2011).

Speaker, Lunch and Learn, Department of Business and Professional Regulations (2009).

Committee Member, Bethel AME Health Network (2007–2008).

Contributor, Here's to your health, WTAL 1450AM Talk Show, Health and Wellness Initiative Inc (2007–2008).

Advisory Board Member, Didactic Program in Dietetics (1992–2006).