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EDUCATION

- 1992 **Ph.D. in Biological Sciences**
University of Rhode Island
- 1989 **M.P.H. in Nutrition**
University of North Carolina at Chapel Hill
- 1987 **B.S. in Clinical Science/Medical Technology**
University of Massachusetts Lowell

PROFESSIONAL EXPERIENCE

- 2006 - PRESENT Associate Professor, Department of Clinical Laboratory and Nutritional Sciences, University of Massachusetts Lowell, Lowell, MA 01854
- 2001 - PRESENT **Associate Director**, Division of Nutrition and Metabolic Disorders; Center for Health and Disease Research; University of Massachusetts Lowell, Lowell, MA 01854
- 2000 - PRESENT **Coordinator**, Nutritional Sciences Program, Department of Clinical Laboratory and Nutritional Sciences, University of Massachusetts Lowell, Lowell, MA 01854
- 2000 - 2006 **Assistant Professor**, Department of Clinical Laboratory and Nutritional Sciences, University of Massachusetts Lowell, Lowell, MA 01854
- 1997 - 2001 **Technical Director**, Center for Chronic Disease Control and Prevention, University of Massachusetts Lowell, Lowell, MA 01854
- 1996 - 1999 **Research Scientist**, Center for Chronic Disease Control and Prevention, University of Massachusetts Lowell, Lowell, MA 01854
- 1996 - 1999 **Adjunct Professor**, Department of Health and Clinical Sciences, University of Massachusetts Lowell, Lowell, MA 01854
- 1994 - 1997 **Assistant Professor**, Division of Science and Mathematics, College of General Studies, Boston University, Boston, MA 02215
- 1993 - 1995 **Postdoctoral Research Assistant**, Center for Cardiovascular Disease Control, Department of Health and Clinical Science, University of Massachusetts Lowell, Lowell, MA 01854
- 1993 - 1994 **Assistant Professor**, Department of Arts and Sciences, Newbury College, Brookline, MA 02146

PROFESSIONAL AFFILIATIONS

American Heart Association
American Society for Nutritional Sciences
American College of Nutrition
American Diabetes Association
Federation of American Science and Experimental Biology
Central New England Chromatography Council
Sigma Xi, The Scientific Research Society

PUBLICATIONS (Manuscripts)

1. Kotyla, T., Kuo, F., Moolchandani, V., **Wilson, T.A.**, and Nicolosi, R.J. Increased Bioavailability of a Transdermal Application of a Nano-sized emulsion Preparation. *Int. J. Pharmaceut.* 2008;347:144-148.
2. **Wilson, T.A.**, Nicolosi, R.J., Kotyla, T., and Fleckinger B. Alcohol-Washed Soy Protein Isolate Reduces Aortic Cholesterol Accumulation Greater Than Water-Washed Soy Protein Isolate when Compared to Casein-Fed Male Hypercholesterolemic Hamsters. *Nutr. Res.* 2007;27:498-504.
3. **Wilson, T.A.**, Orthoefer, F., and Nicolosi, R.J. Soy Protein Concentrate Lowers Both Serum Total Cholesterol and HDL-Cholesterol Concentrations in Post-Menopausal-Induced Ovariectomized Rats. *Nutr. Res.* 2007;27:417-422.
4. Kuo, K., Kotyla, T., **Wilson, T.A.**, Kifle, L., Panagiotou, T., Gruverman, I., Tagne, J.B., Shea, T., and Nicolosi, R.J. A nanoemulsion of a nutritional anti-oxidant synergy formulation reduces neuroblastoma-induced tumors in mice. *J. Experiment. Therapeut. Oncolog.* 2007;6:129-135.
5. **Wilson, T.A.**, Nicolosi, R.J., Woolfrey, B., and Kritchevsky, D. Rice bran oil and oryzanol reduce plasma lipid and lipoprotein cholesterol concentrations and aortic cholesterol ester accumulation to a greater extent than ferulic acid in hypercholesterolemic hamsters. *J. Nutr. Biochem.* 2007;18:105-112.
6. Goodrow, E.F., **Wilson, T.A.**, Houde, S.C., Vishwanathan, R., Scollin, P.A., Handelman, G., and Nicolosi, R.J. Consumption of one egg per day increases serum lutein and zeaxanthin concentrations in older adults without altering serum lipid and lipoprotein cholesterol concentrations. *J. Nutr.* 2006;136:2519-2524.
7. **Wilson, T.A.**, Kritchevsky, D., Kotyla, T., Nicolosi, R.J. Structured Triglycerides Containing Caprylic (8:0) and Oleic (18:1) Fatty Acids Reduce Blood Cholesterol Concentrations and Aortic Cholesterol Accumulation in Hamsters. *Biochem Biophys Acta* 2006;1761:345-349.
8. **Wilson, T.A.**, Nicolosi, R.J., Kotyla, T. Satti, A., and Kritchevsky, D. Conjugated Linoleic Acid (CLA) Isomers Reduce Blood Cholesterol Levels but not Aortic Cholesterol Accumulation in Hypercholesterolemic Hamsters. *Lipids* 2006;41:41-48.
9. **Wilson, T.A.**, Jones, C.E., Nicolosi, R.J., and Kritchevsky, D. Consumption of lyophilized bison meat improves atherosclerotic risk factors greater than lyophilized beef in hypercholesterolemic hamsters. *Nutr. Res.* 2006;26:39-45.
10. **Wilson, T.A.**, Nicolosi, R.J., Kotyla, T., Sundrum, K., and Kritchevsky, K. Different palm oil preparations reduce plasma cholesterol concentrations and aortic cholesterol accumulation compared to coconut oil in hypercholesterolemic hamsters. *J. Nutr. Biochem.* 2005;16:633-640.
11. Binkoski, A.E., Kris-Etherton, P.M., **Wilson, T.A.**, Mountain, M.L., and Nicolosi, R.J. Polyunsaturated Fatty Acids are Important in a Cholesterol-Lowering Diet: Comparison of Mid-Oleic Sunflower Oil and Olive Oil on CVD Risk Factors. *J. Am. Diet. Assoc.* 2005;105:1080-1086.
12. Kritchevsky, D., Tepper, S.A., Wright, S., Czarnecki, S.K., **Wilson, T.A.**, and Nicolosi, R.J. Effect of Specific Isomers of Conjugated Linoleic Acid (c9, t11 and t10, c12) on Experimentally Induced Atherosclerosis in Rabbits. *Lipids* 2004;39:611-616.
13. Nicolosi, R.J., Woolfrey, B., **Wilson, T.A.**, Scollin, P., Handelman, G.J., and Fisher, R. Decreased aortic early atherosclerosis and associated risk factors in hypercholesterolemic hamsters fed a high- or mid-oleic acid oil compared to a high-linoleic acid oil. *J. Nutr. Biochem.* 2004;15:540-547.
14. **Wilson, T.A.**, Nicolosi, R.J., Delaney, B., Chadwell, K., Moolchandani, V., Kotyla, T.K., Zheng, G.H., Hess, R., Knutson, N., Curry, L., Kolberg, L., Goulson, M., and Ostergren, K. Comparative Effects of Reduced and High Molecular Weight Barley β -Glucans on Early Atherosclerosis Risk Factors and Aortic Cholesterol Ester Accumulation in Hypercholesterolemic Syrian Golden Hamsters. *J. Nutr.* 2004;134:2617-2622.
15. **Wilson, T.A.**, Nicolosi, R.J., Handelman, G., Yoganathan, S., Kotyla, T., Orthoefer, F., and Binford, P. Comparative Effects of Emu Oil and Olive Oil on Aortic Early

- Atherosclerosis and Associated Risk Factors in Hypercholesterolemic Hamsters. *Nutr. Res.* 2004;24:395-406.
16. Alexaki, A., **Wilson, T.A.**, Atallah, M.T., Hamndelman, G., and Nicolosi, R.J. Diets high in saturated fat increase cholesterol accumulation and cytokine production in the aortic arch compared to cholesterol-fed hamsters with moderately elevated plasma nonHDL concentrations. *J. Nutr.* 2004;134:410-415.
 17. **Wilson, T.A.**, Foxall, T.L., and Nicolosi, R.J. Doxazosin, and Alpha-1 Antagonist, Prevents the Progression of the Advanced Atherosclerotic Lesion in Hypercholesterolemic Hamsters. *Metabolism* 2003;52:1240-1245.
 18. Yoganathan, S., Nicolosi, R., **Wilson, T.**, Handelman, G., Scollin, P., Tao, R., Binford, P., and Orthoefer, F. Antagonism of Croton Oil Inflammation by Topical Emu Oil in CD-1 Mice. *Lipids* 2003;38:603-607.
 19. Shea, T.B., Ekinci, F.J., Ortiz, D., **Wilson, T.A.**, and Nicolosi, R.J. Efficacy of Vitamin E, Phosphatidyl Choline and Pyruvate on Amyloid-Beta Neurotoxicity. *J Nutr Health Aging* 2003;7:252-255.
 20. Nicolosi, R.J., **Wilson, T.A.**, Romano, C.A., and Kritchevsky, D. Dietary Cholesterol is Less Atherogenic than Saturated Fat in Hamsters with Low Plasma NonHDL-cholesterol, but More Atherogenic When Plasma NonHDL-cholesterol is High. *Nutr. Res.* 2003;23:299-315.
 21. Delaney, B., Nicolosi, R.J., **Wilson, T.A.**, Carlson, T., Frazer, S., Zheng, T., Hess, R., Ostergren, K., Haworth, J., Knudson, D., and Kierzek, K. Comparison of the Cholesterol-Lowering, Fecal Neutral Sterol Excretion and Anti-Atherogenic Properties of Beta-Glucan from Barley and Oats in Hypercholesterolemic Hamsters. *J. Nutr.* 2003;133:468-495.
 22. Kritchevsky, D., Tepper, S., Wright, S., Czarnecki, S.K., **Wilson, T.A.**, and Nicolosi, R.J. Cholesterol Vehicle in Experimental Atherosclerosis 24: Avocado Oil. *J. Am. Coll. Nutr.* 2003;22:52-55.
 23. Shea, T.B., Rogers, E.J., Ashline, D., Ortiz, D., Duarte, N., **Wilson, T.A.**, Nicolosi, R.J., Sheu, M-S. Vitamin E Deficiency does not Induce Compensatory Antioxidant Increases in Central Nervous System Tissue of Apolipoprotein E-Deficient Mice. *J. Alzheimer's Dis.* 2003;5:9-14.
 24. **Wilson, T.A.**, Idreis, H.M., Taylor, C.M., and Nicolosi, R.J. Whole Fatted Rice Bran Reduces the Development of Early Aortic Atherosclerosis Similar to Oat Bran when compared to Wheat Bran in Hypercholesterolemic Hamsters. *Nutr. Res.* 2002;22:1319-1332.
 25. Shea, T.B., Ekinci, F.F., Ortiz, D., Dawn-Linsley, M., **Wilson, T.A.**, and Nicolosi, R.J. Efficacy of Vitamin E, Phosphatidyl Choline and Pyruvate on Buffering Neuronal Degeneration and Oxidative Stress in Cultured Cortical Neurons and in Central Nervous Tissue of Apolipoprotein E-Deficient Mice. *Free Radic. Bio. Med.* 2002;33:276-282.
 26. Nicolosi, R.J., **Wilson, T.A.**, Handelman, G.J., Foxall, T.L., Keaney, J.F., Jr., and Vita, J.A. Decreased Aortic Fatty Streak Formation in Hamsters Fed Diets High in Monounsaturated Fat Versus Polyunsaturated Fat. *J. Nutr. Biochem.* 2002;13:392-402.
 27. **Wilson, T.A.**, McIntyre, M., and Nicolosi, R.J. Trans Fatty Acids and Cardiovascular Risk. *J. Nutr. Health Aging* 2001;5:184-187.
 28. Nicolosi, R.J., **Wilson, T.A.**, Lawton, C.W., and Handelman, G.J. Dietary Effects on Cardiovascular Disease Risk Factors: Beyond Saturated Fatty Acids and Cholesterol. *J. Am. Coll. Nutr.* 2001;20:421S-427S.
 29. **Wilson, T.A.**, Garner, S., and Anderson, J.J.B. Serum Estradiol Concentrations in Rats during the Reproduction Cycle fed either a Casein or Soy Protein Diet. *Nutr. Res.* 2000;20:1735-1747.
 30. **Wilson, T.A.**, Nicolosi, R.J., Chrysam, M., and Kritchevsky, D. Dietary Conjugated Linoleic Acid Reduces Early Aortic Atherosclerosis Greater than Linoleic Acid in Hypercholesterolemic Hamsters. *Nutr. Res.* 2000;20:1795-1805.
 31. Marsland, C., Nicolosi, R.J., **Wilson, T.A.**, Flickinger, B., and Eghart, R. A Soy Tutorial. *Nutraceuticals World* 2000;3:96-101.

32. **Wilson, T.A.**, DeSimone, A., Romano, C., and Nicolosi, R.J. Studies Examining the Cholesterol Lowering Properties and Mechanism(s) of Action of Corn Fiber Oil. *J. Nutr. Biochem.* 2000;11:443-449.
33. **Wilson, T.A.**, Nicolosi, R.J., Marchello, M.J., and Kritchevsky, D. Consumption of Ground Bison and Ground Beef Reduces the Development of Early Aortic Atherosclerosis Compared to Soy Protein and Casein in Hypercholesterolemic Hamsters. *Nutr. Res.* 2000;20:707-719.
34. **Wilson, T.A.**, Ausman, L.M., Nicolosi, R.J., Lawton, C.W., and Hegsted, D.M. Comparative Cholesterol Lowering Properties of Vegetable Oils: Beyond Fatty Acids. *J. Am. Coll. Nutr.* 2000;19:601-607.
35. **Wilson, T.A.**, Lawton, C.W., Babiak, J., and Nicolosi, R.J. Gender Differences in Response to a Hypercholesterolemic Diet in Hamsters: Effects on Plasma Lipoprotein Cholesterol Concentrations and Early Aortic Atherosclerosis. *Atherosclerosis* 1999;146:83-91.
36. Fernandez, M.L., **Wilson, T.A.**, Conde, K., Vergara-Jimenez, M., and Nicolosi, R.J. Hamsters and Guinea Pigs Present Different Responses in Plasma Lipoprotein Cholesterol Distribution When Fed Diets Varying in Animal Protein Content, Soluble Fiber or Cholesterol. *J. Nutr.* 1999;129:1323-1332.
37. Nicolosi, R.J., Lawton, C.W., and **Wilson, T.A.** Vitamin E Reduces Plasma Low Density Lipoprotein Cholesterol, LDL Oxidation, and Early Aortic Atherogenesis Compared with Black Tea in Hypercholesterolemic Hamsters. *Nutr. Res.* 1999;19:1201-1214.
38. Nicolosi, R.J., **Wilson, T.A.**, Rogers, E.J., Lawton, C.W., Tijburg, L., Wiseman, S., and Kritchevsky, D. The Greater Atherogenicity of Chow-based Versus Semi-purified Diets in Hamsters is Mediated via Differences in Plasma Lipoprotein Cholesterol Distribution, Low Density Lipoprotein Oxidative Susceptibility and Plasma α -tocopherol Status. *J. Nutr. Biochem.* 1998;9:591-597.
39. Yoganathan, S., **Wilson, T.A.**, and Nicolosi, R.J. Housing Conditions Effect Plasma Lipid Concentrations and Early Atherogenesis Independent of Treatment in Hamsters. *Nutr. Res.* 1998;18:83-92.
40. **Wilson, T.A.** Behr, S.R., and Nicolosi, R.J. Addition of Guar Gum and Soy Protein Increases the Efficacy of the American Heart Association (AHA) Step I Cholesterol Lowering Intervention Diet in Non-Human Primates. *J. Nutr.* 1998;128:1429-1433.
41. **Wilson, T.A.**, Nicolosi, R.J., Rogers, E.J., Sacchiero, R., and Goldberg, D.J. Studies of Cholesterol and Bile Acid Metabolism in Hamsters fed GT16-239, a Novel Bile Acid Sequestrant (BAS). *Atherosclerosis* 1998;140:315-324.
42. **Wilson, T.A.**, Meservey, C.M., and Nicolosi, R.J. The hypocholesterolemic and Anti-atherogenic Effects of Soy Lecithin in Hypercholesterolemic Hamsters: Beyond Linoleate. *Atherosclerosis* 1998;140:147-153.
43. **Wilson, T.A.**, Romano, C., Liang, J., and Nicolosi, R.J. Study on the Hypocholesterolemic and Anti-Atherogenic Effects of Cholazol™ H, a Chemically-Functionalized Insoluble Fiber with Bile Acid Sequestrant Properties, in Hamsters. *Metabolism* 1998;47:959-964.
44. Nicolosi, R.J., **Wilson, T.A.**, and Krause, B.R. The ACAT Inhibitor, CI-1011 is Effective in the Prevention and Regression of Early Atherosclerosis in Hamsters. *Atherosclerosis* 1998;137:77-85.
45. Nicolosi, R.J., **Wilson, T.A.**, Rogers, E.J., and Kritchevsky, D. Effects of Specific Fatty Acids (8:0, 14:0, *cis*-18:1, *trans*-18:1) on Plasma Lipoproteins, Early Atherogenic Potential and LDL Oxidative Properties in the Hamster. *J. Lipid Res.* 1998;39:1972-1980.
46. Nicolosi, R.J. and **Wilson, T.A.** The Anti-atherogenic Effect of Dietary Soybean Protein Concentrate in Hamsters. *Nutr. Res.* 1997;17:1457-1467.
47. Ferrara, C., St. Laurent, C., and **Wilson, T.** The Benefits of a Weight Loss Contest in Overweight and Obese College Students. (Accepted Rec. *Sports J.* January 2008)

PUBLICATIONS (Submitted or in preparation)

1. Barbato, D.A., Nicolosi, R.J., and **Wilson, T.A.** Anti-Atherogenic Properties of β -Glucan from Yeast in Hypercholesterolemic Syrian Golden Hamsters. (Submitted J. Food Biochem. March 2008)
2. Subramanian, B.K., Kuo, F., Kotyla, T., **Wilson, T.A.**, and Nicolosi, R.J. A nano-emulsion preparation of aspirin enhances its anti-inflammatory properties in mice. (Submitted Int. J. Pharmaceut. March 2007)
3. Ponduru, S., **Wilson, T.A.**, Yoganathan, S., Kotyla, T., Brabato, D., and Nicolosi, R.J. Chronic Sodium Lauryl Sulphate (SLS) and Shampoo Application Produces Increases in Ear Thickness and Interleukin-1 α and Tumor Necrosis Factor- α Skin Concentrations in CD-1 Mice. (In preparation)
4. **Wilson, T.A.**, Kotyla, T., Moolchandani, V., Foxall, T.J., and Nicolosi, R.J. Dietary Cholesterol Increases Vascular Adhesion Molecule (VCAM)-1 Expression Greater Than Saturated Fat in the aortic arch of Hamsters (In preparation)
5. **Wilson, T.A.**, Nicolosi, R.J., Foxall, T.L., and Huth, P.J. Dietary Marine or Vegetable Oil n-3 Fatty Acids Have Beneficial Effects on Blood Cell Endothelial Interactions with Adverse Effects on Plasma Lipoprotein Cholesterol Levels in Cynomolgus Monkeys. (In preparation)
6. **Wilson, T.A.** and Gerber, L.E. Influence of Body Composition, Gonadal Steroid Status, and Gender on Serum Carotenoids and Retinol Levels. (In preparation)
7. **Wilson, T.A.** and Gerber, L.E. Bioavailability of Beta-carotene in Ferrets. (In preparation)
8. Rogers, J.A., **Wilson, T.A.**, and Gerber, L.E. Carotenoid, Retinol and Lipid Levels in Human Breast Milk following Beta-carotene supplementation. (In preparation)

PUBLICATIONS (Abstracts)

1. **Wilson, T.A.***, Goodrow, E., Houde, S., Vishwanathan, R., Scollin, P., Handelman, G., and Nicolosi, R.J. Consumption of one egg per day increases serum lutein and zeaxanthin concentrations in older adults without altering serum lipid and lipoprotein cholesterol concentrations. *FASEB J.* 2007;Abstract 102.1
2. Kotyla, T., Kuo, F., Moolchandani, V., **Wilson, T.A.**, and Nicolosi, R.J. Increased bioavailability of a transdermal application of a delta-tocopherol nanoemulsion preparation. *FASEB J.* 2007;Abstract 505.1.
3. Kuo, F., Kotyla, T., **Wilson, T.A.**, Kifle, L., Panagiotou, T., Gruverman, I., Tagne, J-B., Shea, T., and Nicolosi, R.J. A nanoemulsion of an anti-oxidant synergy formulation reduces tumor growth rate in neuroblastoma-bearing nude mice. *FASEB J.* 2007; Abstract 47.10.
4. Goodrow, E., Vishwanathan, R., **Wilson, T.A.**, and Nicolosi, R.J. C-reactive protein levels are not affected in participants consuming the equivalent of 2 and 4 egg yolks/day while on cholesterol-lowering medication. *FASEB J.* 2007;Abstract 847.4.
5. Vishwanathan, R., Goodrow, E., **Wilson, T.A.**, and Nicolosi, R.J. Consumption of menus containing the equivalent of two and four egg yolks in older adults on cholesterol lowering medications is associated with significant changes in serum lutein and zeaxanthin concentrations and macular pigment optical density. *FASEB J.* Abstract 847.2.
6. Subramanian, B.K., Kuo, F., Yoganathan, Y., Kotyla, T., **Wilson, T.A.**, and Nicolosi, R.J. A nanoemulsion preparation of aspirin enhances its anti-inflammatory effect in CD-1 mice. *FASEB J.* 2007;Abstract 574.7.
7. Nicolosi, R.J., Goodrow, E., and **Wilson, T.A.** Statins prevent the expected rise in serum total and lipoprotein cholesterol levels while consuming up to 1000 mg per day of cholesterol as egg yolk. *FASEB J.* 2007;Abstract 541.14.
8. Binkoski, A.E., Kris-Etherton, P.M., Nicolosi, R.J., **Wilson, T.A.**, and Blough, M.L. Lipid-Lowering Effects of a Mid-Oleic Sunflower Oil in Moderately Hypercholesterolemic Men and Women. *FASEB J.* 2003;Abstract 204.4.
9. Nicolosi, R.J., **Wilson, T.A.**, and Delaney, B. Anti-Atherogenic Properties of Beta-Glucans from Barley and Oats in Hypercholesterolemic Syrian Golden Hamsters. *FASEB J.* 2003;Abstract 204.10.

10. Aoyama, T., Nicolosi, R.J., **Wilson, T.A.**, Negishi, S., and Kritchevsky, D. Influence of Triglyceride Structure on Cholesterol Metabolism in Cholesterol-fed Hamsters. *AOCS* 2002.
11. Nicolosi, R.J. and **Wilson, T.A.** The Effect of Mid-Oleic Sunflower Oil on Plasma Lipoprotein Cholesterol Levels, Tocopherol Levels, and Oxidative Stress in Hamsters. *AOCS*,2001.
12. **Wilson, T.A.**, Nicolosi, R.J., Marchello, M.J., and Kritchevsky, D. Consumption of Ground Bison and Ground Beef Reduces the Development of Early Aortic Atherosclerosis Compared to Soy Protein and Casein in Hypercholesterolemic Hamsters. *FASEB J.* 2001;15(4):A274.Abstract 238.7.
13. Jones, C., **Wilson, T.A.**, and Nicolosi, R.J. Bison Fat Prevents a Greater Increase in Plasma Cholesterol Levels Compared to Beef Fat in Hypercholesterolemic Hamsters. *FASEB J.* 2001;15(4):A274.Abstract 238.8.
14. Woolfrey, B., **Wilson, T.A.**, and Nicolosi, R.J. Feeding of Olive Oil Reduces LDL Oxidation and Aortic Cholesterol Compared to Sunflower Oil in Hamsters. *FASEB J.* 2001;15(4):A273.Abstract 238.5.
15. DeSimone, A., Romano, C., Nicolosi, R.J., and **Wilson, T.A.** Corn Fiber Oil and Soy Stanols Reduce Plasma Cholesterol Levels Greater than Corn Oil in Hamsters. *JACN* 1999;18(5):552.Abstract 120.
16. Winchester, L., Romano, C., **Wilson, T.A.**, and Nicolosi, R.J. Does Saturated Fat Have a Greater Influence on the Development of Atherosclerosis than Cholesterol? *JACN* 1999;18(5):553.abstract 121.
17. **Wilson, T.A.**, Misner, L., Romano, C., Vespa, D., and Nicolosi, R.J. Rice Bran Is as Efficacious as Oat Bran on Plasma Cholesterol Lowering and the Development of Early Aortic Atherosclerosis in Hypercholesterolemic Hamsters. *FASEB J.* 1999;13(4):A601.Abstract 464.3.
18. Fernandez, M.L., **Wilson, T.A.**, Conde, K., Vergara-Jimenez, M., and Nicolosi, R.J. Hamsters and Guinea Pigs Have Similar Responses to Dietary Cholesterol. *FASEB J.* 1999;13(5):A1026.Abstract 759.4.
19. **Wilson, T.A.** and Nicolosi, R.J. The Hypocholesterolemic and Anti-atherogenic Effects of Soy Lecithin in Hypercholesterolemic Hamsters: Beyond Linoleate. *FASEB J.* 1997;11(3):B223.Abstract 883.
20. **Wilson, T.A.**, Rogers, E.J., Stucchi, A.F., Nicolosi, R.J., and Goldberg, D. CholestaGel a New Nonabsorbable Compound, Increases Hepatic Cholesterol Synthesis and Enhances Hepatic Production and Fecal Excretion of Bile Acids in Hamsters. *FASEB J.* 1996;10(3):A269.Abstract 1548.

PUBLICATIONS (Book Chapters)

1. Nicolosi, R.J., Kritchevsky, D., and **Wilson, T.A.** In: *Lifestyle Medicine* (Ed. Rippe, J.M.). Blackwell Science, Inc., Malden, MA. The Pathobiology of Hypercholesterolemia and Atherosclerosis. 1999, pp 25-39.
2. **Wilson, T.A.** and Nicolosi, R.J. In: *Recent Research Developments in Oil Chemistry* (Ed. Pandalai, S.G.). Transworld Research Network, India. Comparative Hypercholesterolemic & Atherogenic Properties of Vegetable Oils in Animal Models. *Recent Res. Devel. Oil Chem.*, 2000;4:37-44.
3. **Wilson, T.A.** and Nicolosi, R.J. In: *Eggs in Health Promotion* (Ed. Watson, R.R.). Iowa State Press, Ames, IA. Eggs and Saturated Fats: Role in Atherosclerosis as Shown by Animal Models. 2002, pp 111-122.

PEER REVIEWED PAPERS OR POSTER PRESENTATIONS

1. **Wilson, T.A.***, Goodrow, E., Houde, S., Vishwanathan, R., Scollin, P., Handelman, G., and Nicolosi, R.J. Consumption of one egg per day increases serum lutein and zeaxanthin concentrations in older adults without altering serum lipid and lipoprotein cholesterol concentrations. *Experimental Biology '07*, American Institute of Nutrition. Washington, D.C. April 2007 Oral Presentation

2. **Wilson, T.A.** Dose Response Study of a 2,3-Oxidosqualene:Lanosterol Cyclase Inhibitor in Hypercholesterolemic Hamsters. Thirteenth Annual Mid Atlantic Lipid Research Symposium 2001, Atlantic City, NJ. March 2001 Oral Presentation
3. **Wilson, T.A.** Consumption of Bison and Beef Reduce the Development of Early Aortic Atherosclerosis Compared to Soy Protein and Casein in Hypercholesterolemic Hamsters. National Bison Association Conference 1998. Quad Cities, IA August 1998 Oral Presentation
4. **Wilson, T.A.** CholestaGel a New Nonabsorbable Compound, Increases Hepatic Cholesterol Synthesis and Enhances Hepatic Production and Fecal Excretion of Bile Acids in Hamsters. Experimental Biology '96, American Institute of Nutrition. Washington, D.C. April 1996 Oral Presentation
5. Kotyla, T., Kuo, F., Moolchandani, V., **Wilson, T.A.**, and Nicolosi, R.J. Increased bioavailability of a transdermal application of a delta-tocopherol nanoemulsion preparation. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
6. Kuo, F., Kotyla, T., **Wilson, T.A.**, Kifle, L., Panagiotou, T., Gruverman, I., Tagne, J-B., Shea, T., and Nicolosi, R.J. A nanoemulsion of an anti-oxidant synergy formulation reduces tumor growth rate in neuroblastoma-bearing nude mice. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
7. Goodrow, E., Vishwanathan, R., **Wilson, T.A.**, and Nicolosi, R.J. C-reactive protein levels are not affected in participants consuming the equivalent of 2 and 4 egg yolks/day while on cholesterol-lowering medication. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
8. Vishwanathan, R., Goodrow, E., **Wilson, T.A.**, and Nicolosi, R.J. Consumption of menus containing the equivalent of two and four egg yolks in older adults on cholesterol lowering medications is associated with significant changes in serum lutein and zeaxanthin concentrations and macular pigment optical density. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
9. Subramanian, B.K., Kuo, F., Yoganathan, Y., Kotyla, T., **Wilson, T.A.**, and Nicolosi, R.J. A nanoemulsion preparation of aspirin enhances its anti-inflammatory effect in CD-1 mice. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
10. Nicolosi, R.J., Goodrow, E., and **Wilson, T.A.** Statins prevent the expected rise in serum total and lipoprotein cholesterol levels while consuming up to 1000 mg per day of cholesterol as egg yolk. Experimental Biology '07, American Institute of Nutrition. Washington, D.C. April 2007 Poster Presentation
11. Binkoski, A.E., Kris-Etherton, P.M., Nicolosi, R.J., **Wilson, T.A.**, and Blough, M.L. Lipid-Lowering Effects of a Mid-Oleic Sunflower Oil in Moderately Hypercholesterolemic Men and Women. Experimental Biology '03, American Institute of Nutrition. San Diego, CA. April 2003 Poster Presentation
12. Nicolosi, R.J., **Wilson, T.A.**, and Delaney, B. Anti-Atherogenic Properties of Beta-Glucans from Barley and Oats in Hypercholesterolemic Syrian Golden Hamsters. Experimental Biology '03, American Institute of Nutrition. San Diego, CA. April 2003 Poster Presentation
13. Aoyama, T., Nicolosi, R.J., **Wilson, T.A.**, Negishi, S., and Kritchevsky, D. Influence of Triglyceride Structure on Cholesterol Metabolism in Cholesterol-fed Hamsters. AOCS Conference, Montreal, Canada 2002.
14. Nicolosi, R.J. and **Wilson, T.A.** The Effect of Mid-Oleic Sunflower Oil on Plasma Lipoprotein Cholesterol Levels, Tocopherol Levels, and Oxidative Stress in Hamsters. AOCS Conference, St. Louis, MO 2001.
15. **Wilson, T.A.**, Nicolosi, R.J., Marchello, M.J., and Kritchevsky, D. Consumption of Ground Bison and Ground Beef Reduces the Development of Early Aortic Atherosclerosis Compared to Soy Protein and Casein in Hypercholesterolemic Hamsters. Experimental Biology 2001, American Institute of Nutrition. Orlando, FL. April 2001 Poster Presentation

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17. DeSimone, A., Romano, C.A., Nicolosi, R.J., and **Wilson, T.A.** Corn Fiber Oil and Soy Stanols Reduce Plasma Cholesterol Levels Greater Than Corn Oil in Hamsters. American College of Nutrition Conference, Washington, DC October 1999 Poster Presentation
18. Duchemin, M., Gorman, C., **Wilson, T.A.**, Meservey, C., and Nicolosi, R.J. The Hypocholesterolemic and Anti-atherogenic Effects of Soy Lecithin in Hypercholesterolemic Hamsters: Beyond Linoleate. Experimental Biology '97, American Institute of Nutrition. New Orleans, LA April 1997 Poster Presentation
19. Jones, C., **Wilson, T.A.**, and Nicolosi, R.J. Bison Fat Prevents a Greater Increase in Plasma Cholesterol Levels Compared to Beef Fat in Hypercholesterolemic Hamsters. Experimental Biology 2001, American Institute of Nutrition. Orlando, FL. April 2001 Poster Presentation
20. Nicolosi, R.J., **Wilson, T.A.**, and Krause, B.R. The ACAT Inhibitor, CI-1011 is Effective in the Prevention and Regression of Early Atherosclerosis in Hamsters. Mid-Atlantic Lipid Research Symposium, Atlantic City, NJ March 1998 Poster Presentation
21. Romano, C.A., **Wilson, T.A.**, Rogers, E.J., Nicolosi, R.J., Sacchiero, R., and Goldberg, D.J. Studies of Cholesterol and Bile Acid Metabolism in Hamsters fed GT16-239, a Novel Bile Acid Sequestrant (BAS). Mid-Atlantic Lipid Research Symposium, Atlantic City, NJ March 1998 Poster Presentation
22. Winchester, L., Romano, C.A., **Wilson, T.A.**, and Nicolosi, R.J. Does Saturated Fat have a Greater Influence on the Development of Atherosclerosis than Cholesterol? American College of Nutrition Conference, Washington, DC October 1999 Poster Presentation
23. Woolfrey, B., **Wilson, T.A.**, and Nicolosi, R.J. Feeding of Olive Oil Reduces LDL Oxidation and Aortic Cholesterol Compared to Sunflower Oil in Hamsters. Experimental Biology 2001, American Institute of Nutrition. Orlando, FL. April 2001 Poster Presentation
24. Binkoski, A.E., Kris-Etherton, P.M., Nicolosi, R.J., Wilson, T.A., and Blough, M.L. Lipid-Lowering Effects of a Mid-Oleic Sunflower Oil in Moderately Hypercholesterolemic Men and Women. Experimental Biology '03, American Institute of Nutrition. San Diego, CA April 2003 Poster Presentation

PEER REVIEWER OF JOURNAL MANUSCRIPTS

- *British Journal of Nutrition*
- *Journal of Atherosclerosis*
- *Journal of Drugs*
- *Journal of Lipids*
- *Journal of the American College of Nutrition*
- *Journal of Nutrition*
- *Journal of Nutrition, Health and Aging*

UNDERGRADUATE TEACHING RESPONSIBILITIES

1. Clinical Nutrition, 36.481; Advanced Human Nutrition, 36.371; Obesity & Weight Control, 36.372; Biochemistry of Lipids, 36.406; Physiological Chemistry I and II, 35.251 and 35.253; Department of Clinical Laboratory and Nutritional Sciences
1. Supervise Undergraduate Student Directed Studies and Senior Research Projects within the Center for Health and Disease Research, Division of Nutrition and Metabolic Disorders.
3. Human Nutrition, 35.206; Advanced Human Nutrition, 36.371; Obesity and Weight Control, 35.372; and Human Biochemistry, 36.350; Corporate Education and Continuing Studies

GRADUATE TEACHING RESPONSIBILITIES

1. Biochemistry of Lipids, 36.506, Department of Clinical Laboratory and Nutritional Science
2. Supervise Graduate Student Master's Thesis and Research Projects within the Department of Clinical Laboratory and Nutritional Science, Center for Health and Disease Research, Division of Nutrition and Metabolic Disorders.
3. Supervise Graduate Student Doctoral Dissertations within the Biomedical Engineering and Biotechnology Program.

AWARDS

1988 Cancer Prevention Fellowship Program