
BIOGRAPHICAL SKETCH

NAME		POSITION TITLE		
Michael Lefevre		USTAR Professor		
INSTITUTION AND LOCATION	DEGREE	YEAR(S)	FIELD OF STUDY	
University of California, Davis, CA	B.S.	1977	Nutrition	
University of California, Davis, CA	Ph.D.	1981	Nutrition	
University of California, Davis, CA	Postdoc	1983	Nutrition	
Louisiana State Univ. Med. Ctr., New Orleans	Postdoc	1984	Physiology	

A. POSITIONS

- 2007 – Present Utah Science, Technology and Research Professor, Center for Advanced Nutrition, Utah State University, Logan, UT
- 2001 – 2007 Professor, Division of Functional Foods Research Division and Division of Nutrition and Chronic Diseases, Pennington Biomedical Research Center, Baton Rouge, LA
- 2000 – 2007 Chief, Functional Foods Research Division, Pennington Biomedical Research Center, Baton Rouge, LA
- 1990 – 2001 Associate Professor, Division of Nutrition and Heart Disease, Pennington Biomedical Research Center, Baton Rouge, LA
- 1988 – 1990 Associate Professor, Department of Physiology, Louisiana State University Medical Center, New Orleans, LA
- 1985 – 1988 Assistant Professor, Department of Physiology, Louisiana State University Medical Center, New Orleans, LA
- 1984 – 1985 Instructor, Department of Physiology, Louisiana State University Medical Center, New Orleans, LA

B. HONORS AND AWARDS:

- Postdoctoral Fellow, Department of Physiology, Louisiana State University Medical Center, New Orleans, LA
- California Heart Association Research Fellow, Department of Nutrition, University of California, Davis, CA
- Proctor and Gamble Fellow, Department of Nutrition, University of California, Davis, CA
- National Institute of Dental Research, Predoctoral Fellow, Department of Nutrition, University of California, Davis, CA

C. PROFESSIONAL ORGANIZATION MEMBERSHIPS

- Fellow of the American Heart Association, Council on Arteriosclerosis; Council on Nutrition, Metabolism and Physical Activity; Council on Epidemiology and Prevention.
- American Society for Nutrition
- American Association for the Advancement of Science.
- Institute of Food Technology

D. NATIONAL SERVICE

- 2003 – 2008 Nutrition Committee, American Heart Association

Biographical Sketch

- 2006 – 2007 Corporate Relations Review Committee, American Heart
2005 – 2009 Food, Nutrition and Safety Panel, International Life Sciences Institute, NA

E. STANDING CONSULTANCIES

- 2007 – Present Scientific Advisor, Soy Nutrition Institute
2003 – Present Member, Kraft Foods Worldwide Health & Wellness Advisory
2001 – Present Scientific Advisor, Technical Committee on Fatty Acids, International Life Sciences Institute, North America

F. COMPLETED GRANTS AND CONTRACTS (Past 10 years)

1. NIH: Diet, Genetics and CVD Risk Factor Response in Blacks (Principal Investigator); 2002-2006 (no cost extension to 8/31/07) (Original award: \$9,645,239; Reduced award: \$5,921,314).
2. Private Contract: Heart Health Product Efficacy Study (Co-Principal Investigator); 2005 (\$245,881).
3. NIH: Metabolic Adaptation to Two-Year Caloric Restriction (Co-Investigator); 2001-2005 (\$12,434,423).
4. USDA: Development of Health Benefits of Functional Foods Derived from Mid-South Crops (Principal Investigator, PBRC component); 2000-2004, extended to 2005 (Total: \$2,500,000; PBRC component: \$1,040,083).
5. General Mills, Inc.: Modified Cereals for Cholesterol Reduction (Principal Investigator); 2003-2004 (\$320,628).
6. Dairy Management, Inc.: Effects of a Dairy-Rich Diet on Blood Pressure and Vascular Reactivity: Mechanisms for the Blood Pressure Lowering Effects of the DASH Study Diet (Co-Principal Investigator); 2002-2003 (\$318,078).
7. Dairy Management, Inc.: Dairy Institute on Diet, Genetics and Heart Disease (Director); Project title: Reversal of Early Atherosclerotic Changes by Diet; 1997-2003 (\$1,997,421).
8. USDA: Project 3, Dietary Fat and Insulin Sensitivity (Co-Investigator); 1996-2001.
9. NIH HL56241: Efficacy of Diet Therapy in Subjects at Risk for CHD (Principal Investigator); 1997-2000 (\$1,025,374).
10. Almond Board of California: Effect of Almond Consumption at Two Different Levels of Total Dietary Fat on Cardiovascular Risk Factors and Blood Glucose in Individuals with Type II Diabetes (Co-Investigator); 1998-2000 (\$98,831).
11. Procter and Gamble: Metabolic Effect of Replacing Dietary Fat with Olestra. A One Year Study (Co-Investigator); 1998-2000 (\$693,336).

G. REFEREED PUBLICATONS

1. Most, M.M., R.T. Tulley, S. Morales and **M. Lefevre**. Rice bran oil, not fiber, lowers cholesterol in humans. *Am J Clin Nutr*, 81:64-68, 2005.
2. DeLany, J., Z.E. Floyd, S. Zvonic, A. Smith, A. Gravois, X. Wu, G. Kilroy, **M. Lefevre** and J.M. Gimble. Proteomic analysis of primary cultures of human adipose derived stem cells: Modulation by adipogenesis. *Mol Cell Proteomics*, 4:731-40, 2005.

Biographical Sketch

3. **Lefevre, M.**, R.T. Tulley, C. Champagne and M.M. Most. Individual variability in CVD risk factor responses to low-fat, low-saturated fat diets: BMI, adiposity and insulin resistance predict changes in LDL-cholesterol. *Am J Clin Nutr*, 82:957-63, 2005.
4. **Lefevre, M.**, J.C. Lovejoy, S.R. Smith, J.P. DeLany, C. Champagne, M.M Most, Y. Denkins, L. de Jonge, J. Rood and G.A. Bray. Comparison of the acute response to meals enriched in cis- or trans-fatty acids on glucose and lipids in overweight individuals with differing FABP-2 genotypes. *Metabolism*, 54:1652-8, 2005.
5. Lichtenstein, A.H., L.J. Appel, M. Brands, M. Carnethon, S. Daniels, H.A. Franch, B. Franklin, P. Kris-Etherton, W.S. Harris, B. Howard, N. Karanja, **M. Lefevre**, L. Rudel, F. Sacks, L. Van Horn, M. Winston and J. Wylie-Rosett. Diet and lifestyle recommendations revision 2006. A scientific statement from the American Heart Association Nutrition Committee. *Circulation* 114:82-96, 2006.
6. Lee, J., J. Oard, T. Bricker, **M. Lefevre** and S. Pinson. Proteomic and genetic approaches to identifying defense-related proteins in rice challenged with the fungal pathogen *Rhizoctonia solani*. *Molecular Plant Pathology*, 7:405-416, 2006.
7. Gao, Z., Z. Wang, X. Zhang, A. Butler, A. Zuberi, B. Gawronska-Kozak, **M. Lefevre**, D. York, E. Ravussin, H.-R. Berthoud, W.T. Cefalu and J. Ye. Inactivation of PKC θ leads to increased susceptibility to obesity and dietary insulin resistance in mice. *Am J Physiol-Endocrin Metab*, 292:E84-91, 2007.
8. Zvonic, S., **M. Lefevre**, G. Kilroy, Z.E. Floyd, J.P. DeLany, I. Kheterpal, A. Gravois, R. Dow, A. White, X. Wu, and J. M. Gimble. Secretome of primary cultures of human adipose-derived stem cells (ASCs): Modulation of serpins by adipogenesis. *Mol Cell Proteomics*, 6:18-28, 2007.
9. Wilson, J.B., M. Welsch, J. Allen, J. Thomson, R. Tulley and **M. Lefevre**. The association of homocysteine and related factors to brachial artery diameter and flow-mediated dilation. *Metabolism*, 56:641-48, 2007.
10. Berglund, L., **M. Lefevre**, H.N. Ginsberg, P.M. Kris-Etherton, P.J. Elmer, P.W. Stewart, A. Ershow, T.A. Pearson, B.H. Dennis, P.S. Roheim, R. Ramakrishnan, R. Reed, K. Stewart and K.M. Phillips. Comparison of monounsaturated fat versus carbohydrate as replacement for saturated fat in subjects with a high metabolic risk profile: studies in the fasting and postprandial state. *Am J Clin Nutr*, 86:1611-1620, 2007.
11. Mathivanan, S. et al. Human proteinpedia enables sharing of human protein data. *Nat Biotechnol*, 26:164-167, 2008.
12. Cefalu, W.T., J. Ye, A. Zuberi, D.M. Ribnicky, I Raskin, Z. Liu, Z.Q. Wang, P.J. Brantley, L. Howard, and **M. Lefevre**. Botanicals and the metabolic syndrome. *Am J Clin Nutr*, 87:481S-487S, 2008.
13. Larson-Meyer, D.E., B.R. Newcomer, L.K. Heilbronn, J. Volaufova, S.R. Smith, **M. Lefevre**, J.C. Rood, D.A. Williamson and E. Ravussin. Effect of 6-month calorie restriction and exercise on serum and liver lipids and markers of liver function. *Obesity*, 16:1355-1362, 2008.
14. **Lefevre, M.**, J. Wiles, X. Zhang, L. Howard, S. Gupta, A. Smith, Z.Y. Ju and J. Delany. Gene expression microarray analysis of the effects of grape anthocyanins in mice –A test of an hypothesis generating paradigm. *Metabolism*, 57:S52-S57, 2008.

Biographical Sketch

15. **Lefevre, M.**, L.K. Heilbronn, J.V. Smith, C.K. Martin, L.M. Redman, J.C. Rood, F.L. Greenway, D.A. Williamson, S.R. Smith and E. Ravussin. Caloric restriction alone and with exercise improves CVD risk in healthy non-obese individuals. *Atherosclerosis*, 203: 206-213, 2009.
16. Harris, W.S., D. Mozaffarian, **M. Lefevre**, C. Toner, J. Colombo, S.C. Cunnane, J.M. Holden, D.M. Klurfeld, M.C. Morris, and J. Whelan. Towards establishing dietary reference intakes for long-chain omega-3 fatty acids. *J Nutr*, 138: 804S-819S, 2009.
17. Gao, Z., J. Yin, J. Zhang, R.E. Ward, R.J. Martin, **M. Lefevre**, W.T. Cefalu, and J. Ye. Butyrate improves insulin sensitivity and increases energy expenditure in mice. *Diabetes*, In press.